



U.S. Energy Information  
Administration

# Petroleum Supply Monthly

with data for April 2022

June 2022



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## Preface

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The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

### Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
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- Imports by country of origin
- Exports
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b>	<b>348,849</b>	--	--	<b>181,770</b>	<b>21,443</b>	<b>-13,469</b>	<b>468,354</b>	<b>97,177</b>	<b>0</b>	<b>966,982</b>
<b>Hydrocarbon Gas Liquids</b>	<b>176,298</b>	<b>-604</b>	<b>24,291</b>	<b>4,635</b>	--	<b>12,263</b>	<b>15,697</b>	<b>71,169</b>	<b>105,490</b>	<b>154,288</b>
Natural Gas Liquids	176,298	-604	15,419	4,052	--	12,327	15,697	71,169	95,971	152,666
Ethane	73,375	--	162	--	--	1,675	--	12,678	59,184	51,318
Propane	54,919	--	8,955	2,764	--	3,941	--	39,998	22,699	40,185
Normal Butane	15,209	--	6,978	925	--	5,740	3,554	13,224	594	31,565
Isobutane	13,798	--	-676	359	--	333	6,935	210	6,003	9,561
Natural Gasoline	18,997	-604	--	4	--	638	5,208	5,059	7,491	20,037
Refinery Olefins	--	--	8,872	583	--	-64	--	--	9,519	1,622
Ethylene	--	--	28	--	--	0	--	--	28	0
Propylene	--	--	8,536	448	--	-67	--	--	9,051	991
Normal Butylene	--	--	298	135	--	17	--	--	416	608
Isobutylene	--	--	10	--	--	-14	--	--	24	23
<b>Other Liquids</b>	--	<b>35,158</b>	--	<b>38,856</b>	<b>7,505</b>	<b>-13,039</b>	<b>68,357</b>	<b>18,265</b>	<b>7,936</b>	<b>330,262</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	35,158	--	1,114	6,596	-2,721	35,632	4,999	4,959	31,426
Hydrogen	--	--	--	--	6,675	--	6,675	--	0	--
Biofuels (including Fuel Ethanol)	--	35,158	--	1,114	-98	-2,723	28,940	4,999	4,959	31,415
Fuel Ethanol <sup>5</sup>	--	28,971	--	--	-98	-2,360	26,818	4,414	0	24,255
Biofuels (excluding Fuel Ethanol)	--	6,187	--	1,114	--	-364	2,122	584	4,959	7,159
Biodiesel	--	3,024	--	672	--	-497	1,431	584	2,177	4,029
Renewable Diesel Fuel	--	2,837	--	392	--	167	355	NA	2,707	2,872
Other Biofuels <sup>6</sup>	--	327	--	50	--	-34	336	NA	75	258
Other Hydrocarbons	--	--	--	--	19	2	17	--	0	11
Unfinished Oils	--	--	--	20,273	--	-1,323	7,435	11,180	2,981	86,590
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	0	--	17,469	909	-8,988	25,279	2,087	0	212,224
Reformulated	--	0	--	5,926	5,863	779	11,007	3	0	48,309
Conventional	--	--	--	11,543	-4,954	-9,767	14,272	2,084	0	163,915
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-7	11	--	-4	23
<b>Finished Petroleum Products</b>	--	<b>180</b>	<b>559,121</b>	<b>21,938</b>	<b>-811</b>	<b>-4,079</b>	--	<b>99,213</b>	<b>485,295</b>	<b>249,833</b>
Finished Motor Gasoline	--	169	286,451	3,403	-811	571	--	26,027	262,614	17,832
Reformulated	--	--	89,156	--	-5,303	0	--	--	83,853	31
Conventional	--	169	197,295	3,403	4,492	571	--	26,027	178,761	17,801
Finished Aviation Gasoline	--	--	305	6	--	-62	--	--	373	1,175
Kerosene-Type Jet Fuel	--	10	50,984	3,687	--	2,084	--	6,478	46,119	37,658
Kerosene	--	--	11	--	--	-80	--	42	49	1,239
Distillate Fuel Oil <sup>5</sup>	--	1	145,097	3,858	--	-8,198	--	42,910	114,245	106,448
15 ppm sulfur and under	--	1	138,607	3,841	--	-8,723	--	37,870	113,302	96,124
Greater than 15 ppm to 500 ppm sulfur	--	0	3,334	5	--	-126	--	3,311	154	2,715
Greater than 500 ppm sulfur	--	--	3,156	12	--	651	--	1,728	789	7,609
Residual Fuel Oil	--	--	6,801	6,821	--	1,482	--	3,013	9,127	29,413
Less than 0.31 percent sulfur	--	--	1,239	--	--	140	--	NA	NA	2,538
0.31 to 1.00 percent sulfur	--	--	3,557	1,289	--	365	--	NA	NA	7,277
Greater than 1.00 percent sulfur	--	--	2,005	5,532	--	977	--	NA	NA	19,598
Petrochemical Feedstocks	--	--	7,290	545	--	82	--	--	7,753	2,508
Naphtha for Petro. Feed. Use	--	--	4,037	441	--	-26	--	--	4,504	1,689
Other Oils for Petro. Feed. Use	--	--	3,253	104	--	108	--	--	3,249	819
Special Naphthas	--	--	991	252	--	-87	--	--	1,330	984
Lubricants	--	--	4,890	1,376	--	-292	--	2,852	3,706	11,041
Waxes	--	--	152	214	--	0	--	147	219	510
Petroleum Coke	--	--	24,415	280	--	-247	--	17,129	7,813	7,287
Marketable	--	--	18,280	280	--	-247	--	17,129	1,678	7,287
Catalyst	--	--	6,135	--	--	--	--	--	6,135	--
Asphalt and Road Oil	--	--	9,319	1,495	--	540	--	562	9,712	32,996
Still Gas	--	--	19,787	--	--	--	--	--	19,787	--
Miscellaneous Products	--	--	2,628	1	--	128	--	52	2,449	742
<b>Total</b>	<b>525,147</b>	<b>34,734</b>	<b>583,412</b>	<b>247,199</b>	<b>28,137</b>	<b>-18,324</b>	<b>552,408</b>	<b>285,825</b>	<b>598,721</b>	<b>1,701,365</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b>	<b>1,380,479</b>	--	--	<b>750,851</b>	<b>85,400</b>	<b>-48,120</b>	<b>1,868,376</b>	<b>396,474</b>	<b>0</b>	<b>966,982</b>
<b>Hydrocarbon Gas Liquids</b>	<b>681,594</b>	<b>-2,583</b>	<b>68,385</b>	<b>24,440</b>	--	<b>-39,217</b>	<b>73,476</b>	<b>283,376</b>	<b>454,200</b>	<b>154,288</b>
Natural Gas Liquids	681,594	-2,583	35,006	22,369	--	-38,751	73,476	283,376	418,284	152,666
Ethane	282,696	--	770	--	--	-11,865	--	57,885	237,446	51,318
Propane	214,594	--	33,614	17,281	--	-23,411	--	161,974	126,926	40,185
Normal Butane	60,471	--	2,167	4,250	--	-2,716	24,901	42,043	2,660	31,565
Isobutane	51,906	--	-1,545	819	--	-113	25,495	751	25,047	9,561
Natural Gasoline	71,927	-2,583	--	19	--	-646	23,080	20,724	26,205	20,037
Refinery Olefins	--	--	33,379	2,071	--	-466	--	--	35,916	1,622
Ethylene	--	--	93	--	--	0	--	--	93	0
Propylene	--	--	33,489	1,772	--	-406	--	--	35,667	991
Normal Butylene	--	--	-270	299	--	-38	--	--	67	608
Isobutylene	--	--	67	--	--	-22	--	--	89	23
<b>Other Liquids</b>	--	<b>144,422</b>	--	<b>126,451</b>	<b>25,570</b>	<b>6,846</b>	<b>188,599</b>	<b>69,717</b>	<b>31,282</b>	<b>330,262</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	144,424	--	4,107	23,785	2,779	136,880	15,993	16,663	31,426
Hydrogen	--	--	--	--	25,946	--	25,946	--	0	--
Biofuels (including Fuel Ethanol)	--	144,424	--	4,062	-2,168	2,784	110,877	15,993	16,663	31,415
Fuel Ethanol <sup>5</sup>	--	121,085	--	257	-2,168	2,245	103,160	13,768	0	24,255
Biofuels (excluding Fuel Ethanol)	--	23,339	--	3,805	--	540	7,717	2,225	16,663	7,159
Biodiesel	--	11,755	--	1,817	--	-155	5,176	2,225	6,327	4,029
Renewable Diesel Fuel	--	10,365	--	1,938	--	519	1,395	NA	10,389	2,872
Other Biofuels <sup>6</sup>	--	1,219	--	50	--	176	1,146	NA	-53	258
Other Hydrocarbons	--	--	--	45	7	-5	57	--	0	11
Unfinished Oils	--	--	--	64,411	--	6,339	-3,102	46,798	14,376	86,590
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	-2	--	57,933	1,786	-2,270	55,062	6,925	0	212,224
Reformulated	--	-2	--	20,191	26,134	952	45,360	12	0	48,309
Conventional	--	--	--	37,742	-24,348	-3,222	9,702	6,914	0	163,915
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-2	-241	--	243	23
<b>Finished Petroleum Products</b>	--	<b>580</b>	<b>2,178,804</b>	<b>97,296</b>	<b>383</b>	<b>-10,800</b>	--	<b>354,896</b>	<b>1,932,966</b>	<b>249,833</b>
Finished Motor Gasoline	--	542	1,115,948	8,743	383	89	--	100,180	1,025,346	17,832
Reformulated	--	--	345,707	--	-25,473	9	--	--	320,225	31
Conventional	--	542	770,241	8,743	25,855	80	--	100,180	705,121	17,801
Finished Aviation Gasoline	--	--	1,143	141	--	-76	--	--	1,360	1,175
Kerosene-Type Jet Fuel	--	34	184,613	14,554	--	1,860	--	20,641	176,699	37,658
Kerosene	--	0	728	--	--	-1,006	--	1,090	644	1,239
Distillate Fuel Oil <sup>5</sup>	--	5	574,724	28,386	--	-23,480	--	139,924	486,671	106,448
15 ppm sulfur and under	--	5	550,236	27,535	--	-24,055	--	118,533	483,298	96,124
Greater than 15 ppm to 500 ppm sulfur	--	0	10,663	644	--	-70	--	10,483	894	2,715
Greater than 500 ppm sulfur	--	0	13,825	207	--	645	--	10,908	2,479	7,609
Residual Fuel Oil	--	--	30,375	29,399	--	4,024	--	12,593	43,157	29,413
Less than 0.31 percent sulfur	--	--	4,704	--	--	-2	--	NA	NA	2,538
0.31 to 1.00 percent sulfur	--	--	12,377	4,463	--	965	--	NA	NA	7,277
Greater than 1.00 percent sulfur	--	--	13,294	24,936	--	3,061	--	NA	NA	19,598
Petrochemical Feedstocks	--	--	26,855	1,917	--	-32	--	--	28,804	2,508
Naphtha for Petro. Feed. Use	--	--	16,583	1,490	--	-193	--	--	18,266	1,689
Other Oils for Petro. Feed. Use	--	--	10,272	427	--	161	--	--	10,538	819
Special Naphthas	--	--	4,397	1,095	--	-64	--	--	5,556	984
Lubricants	--	--	19,247	5,265	--	-1,793	--	11,793	14,512	11,041
Waxes	--	--	659	674	--	-39	--	572	800	510
Petroleum Coke	--	--	94,577	1,165	--	467	--	65,947	29,328	7,287
Marketable	--	--	70,906	1,165	--	467	--	65,947	5,657	7,287
Catalyst	--	--	23,671	--	--	--	--	--	23,671	--
Asphalt and Road Oil	--	--	38,445	5,953	--	9,129	--	1,993	33,276	32,996
Still Gas	--	--	76,421	--	--	--	--	--	76,421	--
Miscellaneous Products	--	--	10,672	4	--	121	--	163	10,392	742
<b>Total</b>	<b>2,062,073</b>	<b>142,420</b>	<b>2,247,189</b>	<b>999,038</b>	<b>111,353</b>	<b>-91,290</b>	<b>2,130,451</b>	<b>1,104,463</b>	<b>2,418,449</b>	<b>1,701,365</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>11,628</b>	--	--	<b>6,059</b>	<b>715</b>	<b>-449</b>	<b>15,612</b>	<b>3,239</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,877</b>	<b>-20</b>	<b>810</b>	<b>155</b>	--	<b>409</b>	<b>523</b>	<b>2,372</b>	<b>3,516</b>
Natural Gas Liquids .....	5,877	-20	514	135	--	411	523	2,372	3,199
Ethane .....	2,446	--	5	--	--	56	--	423	1,973
Propane .....	1,831	--	299	92	--	131	--	1,333	757
Normal Butane .....	507	--	233	31	--	191	118	441	20
Isobutane .....	460	--	-23	12	--	11	231	7	200
Natural Gasoline .....	633	-20	--	0	--	21	174	169	250
Refinery Olefins .....	--	--	296	19	--	-2	--	--	317
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	285	15	--	-2	--	--	302
Normal Butylene .....	--	--	10	5	--	1	--	--	14
Isobutylene .....	--	--	0	--	--	0	--	--	1
<b>Other Liquids</b> .....	--	<b>1,172</b>	--	<b>1,295</b>	<b>250</b>	<b>-435</b>	<b>2,279</b>	<b>609</b>	<b>265</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	--	1,172	--	37	220	-91	1,188	167	165
Hydrogen .....	--	--	--	--	223	--	223	--	0
Biofuels (including Fuel Ethanol) .....	--	1,172	--	37	-3	-91	965	167	165
Fuel Ethanol <sup>5</sup> .....	--	966	--	--	-3	-79	894	147	0
Biofuels (excluding Fuel Ethanol) .....	--	206	--	37	--	-12	71	19	165
Biodiesel .....	--	101	--	22	--	-17	48	19	73
Renewable Diesel Fuel .....	--	95	--	13	--	6	12	NA	90
Other Biofuels <sup>6</sup> .....	--	11	--	2	--	-1	11	NA	2
Other Hydrocarbons .....	--	--	--	--	1	0	1	--	0
Unfinished Oils .....	--	--	--	676	--	-44	248	373	99
Motor Gasoline Blend.Comp. (MGBG) <sup>5</sup> .....	--	0	--	582	30	-300	843	70	0
Reformulated .....	--	0	--	198	195	26	367	0	0
Conventional .....	--	--	--	385	-165	-326	476	69	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>6</b>	<b>18,637</b>	<b>731</b>	<b>-27</b>	<b>-136</b>	--	<b>3,307</b>	<b>16,177</b>
Finished Motor Gasoline .....	--	6	9,548	113	-27	19	--	868	8,754
Reformulated .....	--	--	2,972	--	-177	0	--	--	2,795
Conventional .....	--	6	6,577	113	150	19	--	868	5,959
Finished Aviation Gasoline .....	--	--	10	0	--	-2	--	--	12
Kerosene-Type Jet Fuel .....	--	0	1,699	123	--	69	--	216	1,537
Kerosene .....	--	--	0	--	--	-3	--	1	2
Distillate Fuel Oil <sup>5</sup> .....	--	0	4,837	129	--	-273	--	1,430	3,808
15 ppm sulfur and under .....	--	0	4,620	128	--	-291	--	1,262	3,777
Greater than 15 ppm to 500 ppm sulfur .....	--	0	111	0	--	-4	--	110	5
Greater than 500 ppm sulfur .....	--	--	105	0	--	22	--	58	26
Residual Fuel Oil .....	--	--	227	227	--	49	--	100	304
Less than 0.31 percent sulfur .....	--	--	41	--	--	5	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	119	43	--	12	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	67	184	--	33	--	NA	NA
Petrochemical Feedstocks .....	--	--	243	18	--	3	--	--	258
Naphtha for Petro. Feed. Use .....	--	--	135	15	--	-1	--	--	150
Other Oils for Petro. Feed. Use .....	--	--	108	3	--	4	--	--	108
Special Naphthas .....	--	--	33	8	--	-3	--	--	44
Lubricants .....	--	--	163	46	--	-10	--	95	124
Waxes .....	--	--	5	7	--	0	--	5	7
Petroleum Coke .....	--	--	814	9	--	-8	--	571	260
Marketable .....	--	--	609	9	--	-8	--	571	56
Catalyst .....	--	--	205	--	--	--	--	--	205
Asphalt and Road Oil .....	--	--	311	50	--	18	--	19	324
Still Gas .....	--	--	660	--	--	--	--	--	660
Miscellaneous Products .....	--	--	88	0	--	4	--	2	82
<b>Total</b> .....	<b>17,505</b>	<b>1,158</b>	<b>19,447</b>	<b>8,240</b>	<b>938</b>	<b>-611</b>	<b>18,414</b>	<b>9,527</b>	<b>19,957</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.  
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.



**Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>11,504</b>	--	--	<b>6,257</b>	<b>712</b>	<b>-401</b>	<b>15,570</b>	<b>3,304</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,680</b>	<b>-22</b>	<b>570</b>	<b>204</b>	--	<b>-327</b>	<b>612</b>	<b>2,361</b>	<b>3,785</b>
Natural Gas Liquids .....	5,680	-22	292	186	--	-323	612	2,361	3,486
Ethane .....	2,356	--	6	--	--	-99	--	482	1,979
Propane .....	1,788	--	280	144	--	-195	--	1,350	1,058
Normal Butane .....	504	--	18	35	--	-23	208	350	22
Isobutane .....	433	--	-13	7	--	-1	212	6	209
Natural Gasoline .....	599	-22	--	0	--	-5	192	173	218
Refinery Olefins .....	--	--	278	17	--	-4	--	--	299
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	279	15	--	-3	--	--	297
Normal Butylene .....	--	--	-2	2	--	0	--	--	1
Isobutylene .....	--	--	1	--	--	0	--	--	1
<b>Other Liquids</b> .....	--	<b>1,204</b>	--	<b>1,054</b>	<b>213</b>	<b>57</b>	<b>1,572</b>	<b>581</b>	<b>261</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	--	1,204	--	34	198	23	1,141	133	139
Hydrogen .....	--	--	--	--	216	--	216	--	0
Biofuels (including Fuel Ethanol) .....	--	1,204	--	34	-18	23	924	133	139
Fuel Ethanol <sup>5</sup> .....	--	1,009	--	2	-18	19	860	115	0
Biofuels (excluding Fuel Ethanol) .....	--	194	--	32	--	4	64	19	139
Biodiesel .....	--	98	--	15	--	-1	43	19	53
Renewable Diesel Fuel .....	--	86	--	16	--	4	12	NA	87
Other Biofuels <sup>6</sup> .....	--	10	--	0	--	1	10	NA	0
Other Hydrocarbons .....	--	--	--	0	0	0	0	--	0
Unfinished Oils .....	--	--	--	537	--	53	-26	390	120
Motor Gasoline Blend.Comp. (MGBG) <sup>5</sup> .....	--	0	--	483	15	-19	459	58	0
Reformulated .....	--	0	--	168	218	8	378	0	0
Conventional .....	--	--	--	315	-203	-27	81	58	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	-2	--	2
<b>Finished Petroleum Products</b> .....	--	<b>5</b>	<b>18,157</b>	<b>811</b>	<b>3</b>	<b>-90</b>	--	<b>2,957</b>	<b>16,108</b>
Finished Motor Gasoline .....	--	5	9,300	73	3	1	--	835	8,545
Reformulated .....	--	--	2,881	--	-212	0	--	--	2,669
Conventional .....	--	5	6,419	73	215	1	--	835	5,876
Finished Aviation Gasoline .....	--	--	10	1	--	-1	--	--	11
Kerosene-Type Jet Fuel .....	--	0	1,538	121	--	16	--	172	1,472
Kerosene .....	--	0	6	--	--	-8	--	9	5
Distillate Fuel Oil <sup>5</sup> .....	--	0	4,789	237	--	-196	--	1,166	4,056
15 ppm sulfur and under .....	--	0	4,585	229	--	-200	--	988	4,027
Greater than 15 ppm to 500 ppm sulfur .....	--	0	89	5	--	-1	--	87	7
Greater than 500 ppm sulfur .....	--	0	115	2	--	5	--	91	21
Residual Fuel Oil .....	--	--	253	245	--	34	--	105	360
Less than 0.31 percent sulfur .....	--	--	39	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	103	37	--	8	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	111	208	--	26	--	NA	NA
Petrochemical Feedstocks .....	--	--	224	16	--	0	--	--	240
Naphtha for Petro. Feed. Use .....	--	--	138	12	--	-2	--	--	152
Other Oils for Petro. Feed. Use .....	--	--	86	4	--	1	--	--	88
Special Naphthas .....	--	--	37	9	--	-1	--	--	46
Lubricants .....	--	--	160	44	--	-15	--	98	121
Waxes .....	--	--	5	6	--	0	--	5	7
Petroleum Coke .....	--	--	788	10	--	4	--	550	244
Marketable .....	--	--	591	10	--	4	--	550	47
Catalyst .....	--	--	197	--	--	--	--	--	197
Asphalt and Road Oil .....	--	--	320	50	--	76	--	17	277
Still Gas .....	--	--	637	--	--	--	--	--	637
Miscellaneous Products .....	--	--	89	0	--	1	--	1	87
<b>Total</b> .....	<b>17,184</b>	<b>1,187</b>	<b>18,727</b>	<b>8,325</b>	<b>928</b>	<b>-761</b>	<b>17,754</b>	<b>9,204</b>	<b>20,154</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.  
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>1,949</b>	--	--	<b>17,021</b>	<b>2,586</b>	<b>1,034</b>	<b>741</b>	<b>20,388</b>	<b>1,462</b>	<b>0</b>	<b>7,739</b>
<b>Hydrocarbon Gas Liquids</b>	<b>18,809</b>	<b>-8</b>	<b>754</b>	<b>1,032</b>	<b>1,484</b>	--	<b>-801</b>	<b>1,174</b>	<b>8,239</b>	<b>13,459</b>	<b>6,418</b>
Natural Gas Liquids	18,809	-8	339	703	1,017	--	-744	1,174	8,239	12,191	6,242
Ethane	7,598	--	--	--	-5,679	--	-106	--	1,534	491	1,006
Propane	6,531	--	377	579	5,821	--	-770	--	5,006	9,072	3,233
Normal Butane	2,030	--	149	67	1,529	--	127	762	1,616	1,270	1,654
Isobutane	855	--	-187	57	-402	--	-26	147	1	201	122
Natural Gasoline	1,795	-8	--	--	-252	--	31	265	82	1,156	227
Refinery Olefins	--	--	415	329	467	--	-57	--	--	1,268	176
Ethylene	--	--	21	--	--	--	--	--	--	21	--
Propylene	--	--	355	329	467	--	11	--	--	1,140	114
Normal Butylene	--	--	2	--	--	--	-54	--	--	56	50
Isobutylene	--	--	37	--	--	--	-14	--	--	51	12
<b>Other Liquids</b>	--	<b>425</b>	--	<b>14,221</b>	<b>58,044</b>	<b>8,925</b>	<b>-4,351</b>	<b>85,056</b>	<b>335</b>	<b>575</b>	<b>63,177</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	425	--	446	8,217	1,004	-706	10,201	139	458	8,666
Hydrogen	--	--	--	--	--	120	--	120	--	0	--
Biofuels (including Fuel Ethanol)	--	425	--	446	8,217	884	-706	10,081	139	458	8,666
Fuel Ethanol <sup>6</sup>	--	338	--	--	7,975	884	-590	9,690	98	0	7,632
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	86	--	446	242	--	-116	391	41	458	1,034
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,037	-6	--	506	222	186	117	4,281
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	12,738	49,833	7,921	-4,151	74,633	10	0	50,230
Reformulated	--	--	--	5,374	7,682	3,605	940	15,721	0	0	16,854
Conventional	--	--	--	7,364	42,151	4,316	-5,091	58,912	10	0	33,376
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>0</b>	<b>106,936</b>	<b>8,962</b>	<b>40,367</b>	<b>-8,805</b>	<b>-3,614</b>	--	<b>2,153</b>	<b>148,922</b>	<b>49,648</b>
Finished Motor Gasoline	--	--	94,574	2,237	2,126	-8,805	118	--	51	89,963	2,588
Reformulated	--	--	34,899	--	--	-3,989	-1	--	--	30,911	4
Conventional	--	--	59,675	2,237	2,126	-4,817	119	--	51	59,051	2,584
Finished Aviation Gasoline	--	--	--	1	116	--	42	--	--	75	227
Kerosene-Type Jet Fuel	--	--	3,089	1,259	12,779	--	1,404	--	29	15,694	8,707
Kerosene	--	--	14	--	--	--	-189	--	4	199	627
Distillate Fuel Oil <sup>6</sup>	--	0	5,648	2,834	23,661	--	-5,060	--	154	37,050	22,568
15 ppm sulfur and under	--	0	5,735	2,832	22,913	--	-5,114	--	154	36,441	20,556
Greater than 15 ppm to 500 ppm sulfur	--	--	-2	2	65	--	-74	--	--	139	576
Greater than 500 ppm sulfur	--	--	-85	--	683	--	128	--	--	470	1,436
Residual Fuel Oil	--	--	1,272	1,325	--	--	361	--	85	2,151	4,828
Less than 0.31 percent sulfur	--	--	8	--	--	--	-57	--	NA	NA	307
0.31 to 1.00 percent sulfur	--	--	987	464	--	--	145	--	NA	NA	1,006
Greater than 1.00 percent sulfur	--	--	277	861	--	--	273	--	NA	NA	3,515
Petrochemical Feedstocks	--	--	--	254	--	--	--	--	--	254	--
Naphtha for Petro. Feed. Use	--	--	--	254	--	--	--	--	--	254	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	10	1	--	--	-2	--	--	13	29
Lubricants	--	--	336	86	706	--	27	--	236	865	1,368
Waxes	--	--	-13	94	--	--	-27	--	79	29	200
Petroleum Coke	--	--	630	1	198	--	--	--	1,437	-608	--
Marketable	--	--	234	1	198	--	--	--	1,437	-1,004	--
Catalyst	--	--	396	--	--	--	--	--	--	396	--
Asphalt and Road Oil	--	--	515	870	781	--	-284	--	58	2,392	8,450
Still Gas	--	--	800	--	--	--	--	--	--	800	--
Miscellaneous Products	--	--	61	--	--	--	-4	--	20	45	56
<b>Total</b>	<b>20,758</b>	<b>417</b>	<b>107,690</b>	<b>41,236</b>	<b>102,482</b>	<b>1,154</b>	<b>-8,024</b>	<b>106,618</b>	<b>12,188</b>	<b>162,956</b>	<b>126,982</b>

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>7,795</b>	--	--	<b>63,976</b>	<b>10,585</b>	<b>3,110</b>	<b>85</b>	<b>80,025</b>	<b>5,357</b>	<b>0</b>	<b>7,739</b>
<b>Hydrocarbon Gas Liquids</b>	<b>73,385</b>	<b>-34</b>	<b>1,617</b>	<b>7,845</b>	<b>10,071</b>	--	<b>-3,796</b>	<b>5,155</b>	<b>27,659</b>	<b>63,865</b>	<b>6,418</b>
Natural Gas Liquids	73,385	-34	46	6,580	8,723	--	-3,713	5,155	27,659	59,598	6,242
Ethane	29,138	--	--	--	-19,895	--	322	--	9,038	-117	1,006
Propane	25,870	--	1,454	6,265	25,244	--	-4,288	--	15,026	48,095	3,233
Normal Butane	7,961	--	-1,053	200	5,623	--	301	3,524	3,248	5,658	1,654
Isobutane	3,409	--	-355	115	-1,304	--	-14	476	3	1,400	122
Natural Gasoline	7,007	-34	--	--	-945	--	-34	1,155	345	4,561	227
Refinery Olefins	--	--	1,571	1,265	1,348	--	-83	--	--	4,267	176
Ethylene	--	--	57	--	--	--	--	--	--	57	--
Propylene	--	--	1,351	1,265	1,348	--	-32	--	--	3,996	114
Normal Butylene	--	--	2	--	--	--	-34	--	--	36	50
Isobutylene	--	--	161	--	--	--	-17	--	--	178	12
<b>Other Liquids</b>	--	<b>1,861</b>	--	<b>53,225</b>	<b>237,262</b>	<b>31,857</b>	<b>-6,370</b>	<b>326,694</b>	<b>1,140</b>	<b>2,741</b>	<b>63,177</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	1,861	--	1,208	34,542	5,253	1,598	39,383	807	1,075	8,666
Hydrogen	--	--	--	--	--	444	--	444	--	0	--
Biofuels (including Fuel Ethanol)	--	1,861	--	1,208	34,542	4,809	1,598	38,939	807	1,075	8,666
Fuel Ethanol <sup>6</sup>	--	1,358	--	--	33,554	4,809	1,605	37,415	701	0	7,632
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	502	--	1,208	988	--	-6	1,524	106	1,075	1,034
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	6,599	62	--	709	4,050	237	1,665	4,281
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	45,418	202,658	26,604	-8,677	283,261	96	0	50,230
Reformulated	--	--	--	19,212	28,164	5,286	-2,529	55,187	4	0	16,854
Conventional	--	--	--	26,206	174,494	21,318	-6,148	228,074	92	0	33,376
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>3</b>	<b>414,548</b>	<b>45,353</b>	<b>173,942</b>	<b>-31,413</b>	<b>-20,829</b>	--	<b>9,381</b>	<b>613,880</b>	<b>49,648</b>
Finished Motor Gasoline	--	--	365,845	5,503	12,893	-31,413	-328	--	170	352,986	2,588
Reformulated	--	--	135,120	--	--	-7,179	-2	--	--	127,943	4
Conventional	--	--	230,725	5,503	12,893	-24,234	-326	--	170	225,043	2,584
Finished Aviation Gasoline	--	--	-8	44	309	--	-20	--	--	365	227
Kerosene-Type Jet Fuel	--	--	9,630	4,497	50,106	--	-450	--	92	64,591	8,707
Kerosene	--	--	44	--	172	--	-1,131	--	9	1,338	627
Distillate Fuel Oil <sup>6</sup>	--	3	23,566	23,895	103,089	--	-22,014	--	3,638	168,928	22,568
15 ppm sulfur and under	--	3	24,199	23,827	99,440	--	-20,586	--	2,847	165,208	20,556
Greater than 15 ppm to 500 ppm sulfur	--	--	65	6	66	--	-459	--	569	27	576
Greater than 500 ppm sulfur	--	--	-698	62	3,583	--	-969	--	223	3,693	1,436
Residual Fuel Oil	--	--	5,035	6,958	172	--	287	--	765	11,113	4,828
Less than 0.31 percent sulfur	--	--	-74	--	--	--	0	--	NA	NA	307
0.31 to 1.00 percent sulfur	--	--	3,755	2,336	--	--	-287	--	NA	NA	1,006
Greater than 1.00 percent sulfur	--	--	1,354	4,622	172	--	574	--	NA	NA	3,515
Petrochemical Feedstocks	--	--	--	339	--	--	--	--	--	339	--
Naphtha for Petro. Feed. Use	--	--	--	338	--	--	--	--	--	338	--
Other Oils for Petro. Feed. Use	--	--	--	1	--	--	--	--	--	1	--
Special Naphthas	--	--	33	107	--	--	1	--	--	139	29
Lubricants	--	--	1,412	519	2,234	--	-127	--	968	3,324	1,368
Waxes	--	--	-42	332	--	--	-35	--	314	11	200
Petroleum Coke	--	--	2,551	9	1,169	--	--	--	3,045	684	--
Marketable	--	--	937	9	1,169	--	--	--	3,045	-930	--
Catalyst	--	--	1,614	--	--	--	--	--	--	1,614	--
Asphalt and Road Oil	--	--	2,886	3,150	3,798	--	2,999	--	307	6,528	8,450
Still Gas	--	--	3,257	--	--	--	--	--	--	3,257	--
Miscellaneous Products	--	--	339	--	--	--	-11	--	73	277	56
<b>Total</b>	<b>81,180</b>	<b>1,829</b>	<b>416,165</b>	<b>170,399</b>	<b>431,860</b>	<b>3,554</b>	<b>-30,910</b>	<b>411,874</b>	<b>43,538</b>	<b>680,486</b>	<b>126,982</b>

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>65</b>	<b>--</b>	<b>--</b>	<b>567</b>	<b>86</b>	<b>34</b>	<b>25</b>	<b>680</b>	<b>49</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>627</b>	<b>0</b>	<b>25</b>	<b>34</b>	<b>49</b>	<b>--</b>	<b>-27</b>	<b>39</b>	<b>275</b>	<b>449</b>
Natural Gas Liquids	627	0	11	23	34	--	-25	39	275	406
Ethane	253	--	--	--	-189	--	-4	--	51	16
Propane	218	--	13	19	194	--	-26	--	167	302
Normal Butane	68	--	5	2	51	--	4	25	54	42
Isobutane	29	--	-6	2	-13	--	-1	5	0	7
Natural Gasoline	60	0	--	--	-8	--	1	9	3	39
Refinery Olefins	--	--	14	11	16	--	-2	--	--	42
Ethylene	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	12	11	16	--	0	--	--	38
Normal Butylene	--	--	0	--	--	--	-2	--	--	2
Isobutylene	--	--	1	--	--	--	0	--	--	2
<b>Other Liquids</b>	<b>--</b>	<b>14</b>	<b>--</b>	<b>474</b>	<b>1,935</b>	<b>298</b>	<b>-145</b>	<b>2,835</b>	<b>11</b>	<b>19</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	14	--	15	274	33	-24	340	5	15
Hydrogen	--	--	--	--	--	4	--	4	--	0
Biofuels (including Fuel Ethanol)	--	14	--	15	274	29	-24	336	5	15
Fuel Ethanol <sup>6</sup>	--	11	--	--	266	29	-20	323	3	0
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	3	--	15	8	--	-4	13	1	15
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	35	0	--	17	7	6	4
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>	--	--	--	425	1,661	264	-138	2,488	0	0
Reformulated	--	--	--	179	256	120	31	524	0	0
Conventional	--	--	--	245	1,405	144	-170	1,964	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>0</b>	<b>3,565</b>	<b>299</b>	<b>1,346</b>	<b>-294</b>	<b>-120</b>	<b>--</b>	<b>72</b>	<b>4,964</b>
Finished Motor Gasoline	--	--	3,152	75	71	-294	4	--	2	2,999
Reformulated	--	--	1,163	--	--	-133	0	--	--	1,030
Conventional	--	--	1,989	75	71	-161	4	--	2	1,968
Finished Aviation Gasoline	--	--	--	0	4	--	1	--	--	3
Kerosene-Type Jet Fuel	--	--	103	42	426	--	47	--	1	523
Kerosene	--	--	0	--	--	--	-6	--	0	7
Distillate Fuel Oil <sup>6</sup>	--	0	188	94	789	--	-169	--	5	1,235
15 ppm sulfur and under	--	0	191	94	764	--	-170	--	5	1,215
Greater than 15 ppm to 500 ppm sulfur	--	--	0	0	2	--	-2	--	--	5
Greater than 500 ppm sulfur	--	--	-3	--	23	--	4	--	--	16
Residual Fuel Oil	--	--	42	44	--	--	12	--	3	72
Less than 0.31 percent sulfur	--	--	0	--	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	33	15	--	--	5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	9	29	--	--	9	--	NA	NA
Petrochemical Feedstocks	--	--	--	8	--	--	--	--	--	8
Naphtha for Petro. Feed. Use	--	--	--	8	--	--	--	--	--	8
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	11	3	24	--	1	--	8	29
Waxes	--	--	0	3	--	--	-1	--	3	1
Petroleum Coke	--	--	21	0	7	--	--	--	48	-20
Marketable	--	--	8	0	7	--	--	--	48	-33
Catalyst	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil	--	--	17	29	26	--	-9	--	2	80
Still Gas	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	2	--	--	--	0	--	1	1
<b>Total</b>	<b>692</b>	<b>14</b>	<b>3,590</b>	<b>1,375</b>	<b>3,416</b>	<b>38</b>	<b>-267</b>	<b>3,554</b>	<b>406</b>	<b>5,432</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>65</b>	<b>--</b>	<b>--</b>	<b>533</b>	<b>88</b>	<b>26</b>	<b>1</b>	<b>667</b>	<b>45</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>612</b>	<b>0</b>	<b>13</b>	<b>65</b>	<b>84</b>	<b>--</b>	<b>-32</b>	<b>43</b>	<b>230</b>	<b>532</b>
Natural Gas Liquids	612	0	0	55	73	--	-31	43	230	497
Ethane	243	--	--	--	-166	--	3	--	75	-1
Propane	216	--	12	52	210	--	-36	--	125	401
Normal Butane	66	--	-9	2	47	--	3	29	27	47
Isobutane	28	--	-3	1	-11	--	0	4	0	12
Natural Gasoline	58	0	--	--	-8	--	0	10	3	38
Refinery Olefins	--	--	13	11	11	--	-1	--	--	36
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	11	11	11	--	0	--	--	33
Normal Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	1	--	--	--	0	--	--	1
<b>Other Liquids</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>444</b>	<b>1,977</b>	<b>265</b>	<b>-53</b>	<b>2,722</b>	<b>10</b>	<b>23</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	16	--	10	288	44	13	328	7	9
Hydrogen	--	--	--	--	--	4	--	4	--	0
Biofuels (including Fuel Ethanol)	--	16	--	10	288	40	13	324	7	9
Fuel Ethanol <sup>6</sup>	--	11	--	--	280	40	13	312	6	0
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	4	--	10	8	--	0	13	1	9
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	55	1	--	6	34	2	14
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>	--	--	--	378	1,689	222	-72	2,361	1	0
Reformulated	--	--	--	160	235	44	-21	460	0	0
Conventional	--	--	--	218	1,454	178	-51	1,901	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>0</b>	<b>3,455</b>	<b>378</b>	<b>1,450</b>	<b>-262</b>	<b>-174</b>	<b>--</b>	<b>78</b>	<b>5,116</b>
Finished Motor Gasoline	--	--	3,049	46	107	-262	-3	--	1	2,942
Reformulated	--	--	1,126	--	--	-60	0	--	--	1,066
Conventional	--	--	1,923	46	107	-202	-3	--	1	1,875
Finished Aviation Gasoline	--	--	0	0	3	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	80	37	418	--	-4	--	1	538
Kerosene	--	--	0	--	1	--	-9	--	0	11
Distillate Fuel Oil <sup>6</sup>	--	0	196	199	859	--	-183	--	30	1,408
15 ppm sulfur and under	--	0	202	199	829	--	-172	--	24	1,377
Greater than 15 ppm to 500 ppm sulfur	--	--	1	0	1	--	-4	--	5	0
Greater than 500 ppm sulfur	--	--	-6	1	30	--	-8	--	2	31
Residual Fuel Oil	--	--	42	58	1	--	2	--	6	93
Less than 0.31 percent sulfur	--	--	-1	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	31	19	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	11	39	1	--	5	--	NA	NA
Petrochemical Feedstocks	--	--	--	3	--	--	--	--	--	3
Naphtha for Petro. Feed. Use	--	--	--	3	--	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	1	--	--	0	--	--	1
Lubricants	--	--	12	4	19	--	-1	--	8	28
Waxes	--	--	0	3	--	--	0	--	3	0
Petroleum Coke	--	--	21	0	10	--	--	--	25	6
Marketable	--	--	8	0	10	--	--	--	25	-8
Catalyst	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil	--	--	24	26	32	--	25	--	3	54
Still Gas	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	3	--	--	--	0	--	1	2
<b>Total</b>	<b>677</b>	<b>15</b>	<b>3,468</b>	<b>1,420</b>	<b>3,599</b>	<b>30</b>	<b>-258</b>	<b>3,432</b>	<b>363</b>	<b>5,671</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>44,991</b>	--	--	<b>81,286</b>	<b>-15,928</b>	<b>635</b>	<b>-1,598</b>	<b>110,541</b>	<b>2,042</b>	<b>0</b>	<b>105,393</b>
<b>Hydrocarbon Gas Liquids</b>	<b>31,628</b>	<b>-566</b>	<b>5,262</b>	<b>2,068</b>	<b>-16,321</b>	--	<b>888</b>	<b>2,799</b>	<b>7,134</b>	<b>11,250</b>	<b>34,076</b>
Natural Gas Liquids	31,628	-566	3,873	1,839	-15,224	--	877	2,799	7,134	10,740	33,752
Ethane	12,385	--	--	--	-6,786	--	-326	--	2,163	3,762	5,959
Propane	10,549	--	2,345	1,165	-10,481	--	139	--	100	3,339	9,074
Normal Butane	3,337	--	1,829	368	-3,877	--	1,369	303	62	-77	6,763
Isobutane	1,957	--	-301	302	809	--	35	1,742	3	987	2,360
Natural Gasoline	3,400	-566	--	4	5,111	--	-340	754	4,806	2,729	9,596
Refinery Olefins	--	--	1,389	229	-1,097	--	11	--	--	510	324
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,243	119	-1,097	--	-15	--	--	280	276
Normal Butylene	--	--	146	110	--	--	26	--	--	230	48
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>29,900</b>	--	<b>302</b>	<b>-15,052</b>	<b>-1,592</b>	<b>-6,423</b>	<b>16,122</b>	<b>3,339</b>	<b>519</b>	<b>70,862</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	29,900	--	70	-19,064	-361	-512	8,725	960	1,372	11,404
Hydrogen	--	--	--	--	--	1,060	--	1,060	--	0	--
Biofuels (including Fuel Ethanol)	--	29,900	--	70	-19,064	-1,440	-514	7,648	960	1,372	11,393
Fuel Ethanol	--	27,260	--	--	-18,229	-1,440	-396	7,231	756	0	10,087
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	2,640	--	70	-835	--	-119	417	204	1,372	1,306
Other Hydrocarbons	--	--	--	--	--	19	2	17	--	0	11
Unfinished Oils	--	--	--	--	81	--	448	-1,336	1,822	-853	13,677
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	232	3,931	-1,232	-6,359	8,733	557	0	45,782
Reformulated	--	0	--	--	1,252	568	-83	1,903	--	0	5,808
Conventional	--	--	--	232	2,679	-1,800	-6,276	6,830	557	0	39,974
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>107</b>	<b>130,749</b>	<b>1,171</b>	<b>-631</b>	<b>2,671</b>	<b>-2,552</b>	--	<b>1,449</b>	<b>135,170</b>	<b>58,270</b>
Finished Motor Gasoline	--	110	73,613	--	-28	2,671	144	--	407	75,815	4,527
Reformulated	--	--	9,898	--	--	-491	--	--	--	9,407	--
Conventional	--	110	63,715	--	-28	3,162	144	--	407	66,407	4,527
Finished Aviation Gasoline	--	--	30	5	25	--	-9	--	--	69	172
Kerosene-Type Jet Fuel	--	--	7,756	34	717	--	-403	--	25	8,885	7,073
Kerosene	--	--	2	--	--	--	-11	--	1	12	105
Distillate Fuel Oil	--	-3	32,933	130	706	--	-2,348	--	206	35,908	27,081
15 ppm sulfur and under	--	-3	33,170	116	497	--	-2,129	--	0	35,909	26,601
Greater than 15 ppm to 500 ppm sulfur	--	--	104	3	209	--	-44	--	35	325	228
Greater than 500 ppm sulfur	--	--	-341	11	--	--	-175	--	171	-326	252
Residual Fuel Oil	--	--	1,087	78	-664	--	91	--	--	410	1,203
Less than 0.31 percent sulfur	--	--	83	--	--	--	-14	--	NA	NA	54
0.31 to 1.00 percent sulfur	--	--	439	9	-402	--	65	--	NA	NA	261
Greater than 1.00 percent sulfur	--	--	565	69	-262	--	40	--	NA	NA	888
Petrochemical Feedstocks	--	--	797	149	-97	--	-48	--	--	897	498
Naphtha for Petro. Feed. Use	--	--	447	86	-97	--	-56	--	--	492	397
Other Oils for Petro. Feed. Use	--	--	350	63	--	--	8	--	--	405	101
Special Naphthas	--	--	-29	6	21	--	18	--	--	-20	152
Lubricants	--	--	107	245	183	--	-43	--	217	361	573
Waxes	--	--	24	19	--	--	-11	--	46	8	28
Petroleum Coke	--	--	5,155	28	-439	--	-336	--	529	4,550	2,732
Marketable	--	--	3,779	28	-439	--	-336	--	529	3,174	2,732
Catalyst	--	--	1,376	--	--	--	--	--	--	1,376	--
Asphalt and Road Oil	--	--	4,621	477	-1,060	--	415	--	16	3,607	14,029
Still Gas	--	--	4,201	--	--	--	--	--	--	4,201	--
Miscellaneous Products	--	--	452	--	5	--	-11	--	2	466	97
<b>Total</b>	<b>76,619</b>	<b>29,440</b>	<b>136,011</b>	<b>84,827</b>	<b>-47,932</b>	<b>1,714</b>	<b>-9,685</b>	<b>129,462</b>	<b>13,964</b>	<b>146,939</b>	<b>268,602</b>

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>194,623</b>	--	--	<b>347,545</b>	<b>-87,410</b>	<b>-3,470</b>	<b>-12,246</b>	<b>455,900</b>	<b>7,633</b>	<b>0</b>	<b>105,393</b>
<b>Hydrocarbon Gas Liquids</b>	<b>129,086</b>	<b>-2,430</b>	<b>11,586</b>	<b>9,022</b>	<b>-55,720</b>	--	<b>-15,834</b>	<b>12,354</b>	<b>29,924</b>	<b>65,100</b>	<b>34,076</b>
Natural Gas Liquids	129,086	-2,430	6,238	8,241	-52,073	--	-15,598	12,354	29,924	62,382	33,752
Ethane	50,513	--	--	--	-24,117	--	-974	--	9,916	17,454	5,959
Propane	43,345	--	9,176	6,071	-37,405	--	-12,364	--	553	32,998	9,074
Normal Butane	14,297	--	-2,016	1,451	-12,740	--	-2,090	2,887	216	-21	6,763
Isobutane	7,347	--	-922	700	3,304	--	8	6,576	9	3,836	2,360
Natural Gasoline	13,584	-2,430	--	19	18,885	--	-178	2,891	19,230	8,115	9,596
Refinery Olefins	--	--	5,348	781	-3,647	--	-236	--	--	2,718	324
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5,249	507	-3,647	--	-177	--	--	2,286	276
Normal Butylene	--	--	99	274	--	--	-59	--	--	432	48
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>124,635</b>	--	<b>2,283</b>	<b>-64,179</b>	<b>-14,653</b>	<b>495</b>	<b>38,293</b>	<b>11,236</b>	<b>-1,940</b>	<b>70,862</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	124,636	--	268	-75,790	-6,142	784	33,691	3,052	5,445	11,404
Hydrogen	--	--	--	--	--	4,745	--	4,745	--	0	--
Biofuels (including Fuel Ethanol)	--	124,636	--	268	-75,790	-10,939	789	28,889	3,052	5,445	11,393
Fuel Ethanol	--	114,360	--	--	-72,365	-10,939	716	27,707	2,633	0	10,087
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	10,276	--	268	-3,426	--	73	1,182	419	5,445	1,306
Other Hydrocarbons	--	--	--	--	--	52	-5	57	--	0	11
Unfinished Oils	--	--	--	37	-2,616	--	407	-3,160	7,558	-7,384	13,677
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	1,978	14,227	-8,511	-695	7,762	626	0	45,782
Reformulated	--	-1	--	--	1,928	6,163	1,158	6,932	--	0	5,808
Conventional	--	--	--	1,978	12,299	-14,674	-1,853	830	626	0	39,974
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>371</b>	<b>522,261</b>	<b>5,471</b>	<b>-3,751</b>	<b>19,450</b>	<b>3,820</b>	--	<b>3,727</b>	<b>536,254</b>	<b>58,270</b>
Finished Motor Gasoline	--	381	283,690	--	-1,455	19,450	125	--	1,281	300,661	4,527
Reformulated	--	--	38,805	--	--	-5,751	--	--	--	33,054	--
Conventional	--	381	244,885	--	-1,455	25,201	125	--	1,281	267,607	4,527
Finished Aviation Gasoline	--	--	61	14	79	--	0	--	--	154	172
Kerosene-Type Jet Fuel	--	--	30,212	34	3,438	--	252	--	54	33,378	7,073
Kerosene	--	0	632	--	26	--	-32	--	1	689	105
Distillate Fuel Oil	--	-11	137,401	1,086	4,877	--	-2,092	--	526	144,919	27,081
15 ppm sulfur and under	--	-11	137,513	1,045	4,393	--	-1,981	--	3	144,918	26,601
Greater than 15 ppm to 500 ppm sulfur	--	0	504	7	484	--	-8	--	89	914	228
Greater than 500 ppm sulfur	--	0	-616	34	--	--	-103	--	434	-913	252
Residual Fuel Oil	--	--	4,395	422	-3,102	--	246	--	0	1,469	1,203
Less than 0.31 percent sulfur	--	--	302	--	-48	--	3	--	NA	NA	54
0.31 to 1.00 percent sulfur	--	--	1,736	55	-1,646	--	65	--	NA	NA	261
Greater than 1.00 percent sulfur	--	--	2,357	367	-1,408	--	178	--	NA	NA	888
Petrochemical Feedstocks	--	--	3,661	629	-277	--	-34	--	--	4,047	498
Naphtha for Petro. Feed. Use	--	--	2,117	363	-245	--	-15	--	--	2,250	397
Other Oils for Petro. Feed. Use	--	--	1,544	266	-32	--	-19	--	--	1,797	101
Special Naphthas	--	--	-135	26	123	--	0	--	--	14	152
Lubricants	--	--	707	874	707	--	-148	--	771	1,665	573
Waxes	--	--	134	55	--	--	-12	--	145	56	28
Petroleum Coke	--	--	22,556	91	-4,196	--	1,230	--	754	16,467	2,732
Marketable	--	--	16,870	91	-4,196	--	1,230	--	754	10,781	2,732
Catalyst	--	--	5,686	--	--	--	--	--	--	5,686	--
Asphalt and Road Oil	--	--	19,988	2,240	-4,006	--	4,312	--	188	13,722	14,029
Still Gas	--	--	16,975	--	--	--	--	--	--	16,975	--
Miscellaneous Products	--	--	1,984	--	35	--	-27	--	6	2,040	97
<b>Total</b>	<b>323,709</b>	<b>122,575</b>	<b>533,847</b>	<b>364,321</b>	<b>-211,061</b>	<b>1,327</b>	<b>-23,765</b>	<b>506,547</b>	<b>52,522</b>	<b>599,413</b>	<b>268,602</b>

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,500</b>	<b>--</b>	<b>--</b>	<b>2,710</b>	<b>-531</b>	<b>21</b>	<b>-53</b>	<b>3,685</b>	<b>68</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,054</b>	<b>-19</b>	<b>175</b>	<b>69</b>	<b>-544</b>	<b>--</b>	<b>30</b>	<b>93</b>	<b>238</b>	<b>375</b>
Natural Gas Liquids	1,054	-19	129	61	-507	--	29	93	238	358
Ethane	413	--	--	--	-226	--	-11	--	72	125
Propane	352	--	78	39	-349	--	5	--	3	111
Normal Butane	111	--	61	12	-129	--	46	10	2	-3
Isobutane	65	--	-10	10	27	--	1	58	0	33
Natural Gasoline	113	-19	--	0	170	--	-11	25	160	91
Refinery Olefins	--	--	46	8	-37	--	0	--	--	17
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	41	4	-37	--	-1	--	--	9
Normal Butylene	--	--	5	4	--	--	1	--	--	8
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>997</b>	<b>--</b>	<b>10</b>	<b>-502</b>	<b>-53</b>	<b>-214</b>	<b>537</b>	<b>111</b>	<b>17</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	997	--	2	-635	-12	-17	291	32	46
Hydrogen	--	--	--	--	--	35	--	35	--	0
Biofuels (including Fuel Ethanol)	--	997	--	2	-635	-48	-17	255	32	46
Fuel Ethanol	--	909	--	--	-608	-48	-13	241	25	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	88	--	2	-28	--	-4	14	7	46
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	3	--	15	-45	61	-28
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	8	131	-41	-212	291	19	0
Reformulated	--	0	--	--	42	19	-3	63	--	0
Conventional	--	--	--	8	89	-60	-209	228	19	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>4</b>	<b>4,358</b>	<b>39</b>	<b>-21</b>	<b>89</b>	<b>-85</b>	<b>--</b>	<b>48</b>	<b>4,506</b>
Finished Motor Gasoline	--	4	2,454	--	-1	89	5	--	14	2,527
Reformulated	--	--	330	--	--	-16	--	--	--	314
Conventional	--	4	2,124	--	-1	105	5	--	14	2,214
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	259	1	24	--	-13	--	1	296
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	0	1,098	4	24	--	-78	--	7	1,197
15 ppm sulfur and under	--	0	1,106	4	17	--	-71	--	0	1,197
Greater than 15 ppm to 500 ppm sulfur	--	--	3	0	7	--	-1	--	1	11
Greater than 500 ppm sulfur	--	--	-11	0	--	--	-6	--	6	-11
Residual Fuel Oil	--	--	36	3	-22	--	3	--	--	14
Less than 0.31 percent sulfur	--	--	3	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	0	-13	--	2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	19	2	-9	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	27	5	-3	--	-2	--	--	30
Naphtha for Petro. Feed. Use	--	--	15	3	-3	--	-2	--	--	16
Other Oils for Petro. Feed. Use	--	--	12	2	--	--	0	--	--	14
Special Naphthas	--	--	-1	0	1	--	1	--	--	-1
Lubricants	--	--	4	8	6	--	-1	--	7	12
Waxes	--	--	1	1	--	--	0	--	2	0
Petroleum Coke	--	--	172	1	-15	--	-11	--	18	152
Marketable	--	--	126	1	-15	--	-11	--	18	106
Catalyst	--	--	46	--	--	--	--	--	--	46
Asphalt and Road Oil	--	--	154	16	-35	--	14	--	1	120
Still Gas	--	--	140	--	--	--	--	--	--	140
Miscellaneous Products	--	--	15	--	0	--	0	--	0	16
<b>Total</b>	<b>2,554</b>	<b>981</b>	<b>4,534</b>	<b>2,828</b>	<b>-1,598</b>	<b>57</b>	<b>-323</b>	<b>4,315</b>	<b>465</b>	<b>4,898</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,622</b>	--	--	<b>2,896</b>	<b>-728</b>	<b>-29</b>	<b>-102</b>	<b>3,799</b>	<b>64</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,076</b>	<b>-20</b>	<b>97</b>	<b>75</b>	<b>-464</b>	--	<b>-132</b>	<b>103</b>	<b>249</b>	<b>542</b>
Natural Gas Liquids	1,076	-20	52	69	-434	--	-130	103	249	520
Ethane	421	--	--	--	-201	--	-8	--	83	145
Propane	361	--	76	51	-312	--	-103	--	5	275
Normal Butane	119	--	-17	12	-106	--	-17	24	2	0
Isobutane	61	--	-8	6	28	--	0	55	0	32
Natural Gasoline	113	-20	--	0	157	--	-1	24	160	68
Refinery Olefins	--	--	45	7	-30	--	-2	--	--	23
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	44	4	-30	--	-1	--	--	19
Normal Butylene	--	--	1	2	--	--	0	--	--	4
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>1,039</b>	--	<b>19</b>	<b>-535</b>	<b>-122</b>	<b>4</b>	<b>319</b>	<b>94</b>	<b>-16</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	1,039	--	2	-632	-51	7	281	25	45
Hydrogen	--	--	--	--	--	40	--	40	--	0
Biofuels (including Fuel Ethanol)	--	1,039	--	2	-632	-91	7	241	25	45
Fuel Ethanol	--	953	--	--	-603	-91	6	231	22	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	86	--	2	-29	--	1	10	3	45
Other Hydrocarbons	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	--	--	0	-22	--	3	-26	63	-62
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	16	119	-71	-6	65	5	0
Reformulated	--	0	--	--	16	51	10	58	--	0
Conventional	--	--	--	16	102	-122	-15	7	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>3</b>	<b>4,352</b>	<b>46</b>	<b>-31</b>	<b>162</b>	<b>32</b>	--	<b>31</b>	<b>4,469</b>
Finished Motor Gasoline	--	3	2,364	--	-12	162	1	--	11	2,506
Reformulated	--	--	323	--	--	-48	--	--	--	275
Conventional	--	3	2,041	--	-12	210	1	--	11	2,230
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	252	0	29	--	2	--	0	278
Kerosene	--	0	5	--	0	--	0	--	0	6
Distillate Fuel Oil	--	0	1,145	9	41	--	-17	--	4	1,208
15 ppm sulfur and under	--	0	1,146	9	37	--	-17	--	0	1,208
Greater than 15 ppm to 500 ppm sulfur	--	0	4	0	4	--	0	--	1	8
Greater than 500 ppm sulfur	--	0	-5	0	--	--	-1	--	4	-8
Residual Fuel Oil	--	--	37	4	-26	--	2	--	0	12
Less than 0.31 percent sulfur	--	--	3	--	0	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	14	0	-14	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	3	-12	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	31	5	-2	--	0	--	--	34
Naphtha for Petro. Feed. Use	--	--	18	3	-2	--	0	--	--	19
Other Oils for Petro. Feed. Use	--	--	13	2	0	--	0	--	--	15
Special Naphthas	--	--	-1	0	1	--	0	--	--	0
Lubricants	--	--	6	7	6	--	-1	--	6	14
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	188	1	-35	--	10	--	6	137
Marketable	--	--	141	1	-35	--	10	--	6	90
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	167	19	-33	--	36	--	2	114
Still Gas	--	--	141	--	--	--	--	--	--	141
Miscellaneous Products	--	--	17	--	0	--	0	--	0	17
<b>Total</b>	<b>2,698</b>	<b>1,021</b>	<b>4,449</b>	<b>3,036</b>	<b>-1,759</b>	<b>11</b>	<b>-198</b>	<b>4,221</b>	<b>438</b>	<b>4,995</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>253,354</b>	--	--	<b>37,049</b>	<b>30,951</b>	<b>20,781</b>	<b>-11,708</b>	<b>260,170</b>	<b>93,674</b>	<b>0</b>	<b>782,258</b>
<b>Hydrocarbon Gas Liquids</b>	<b>107,171</b>	<b>-14</b>	<b>15,934</b>	<b>41</b>	<b>29,414</b>	--	<b>11,944</b>	<b>9,032</b>	<b>54,093</b>	<b>77,477</b>	<b>104,897</b>
Natural Gas Liquids	107,171	-14	9,090	16	28,784	--	11,923	9,032	54,093	69,999	103,975
Ethane	47,982	--	162	--	18,177	--	2,388	--	8,980	54,953	43,003
Propane	31,935	--	4,978	16	9,164	--	4,380	--	34,137	7,576	25,265
Normal Butane	7,037	--	4,157	--	3,903	--	3,962	1,700	10,669	-1,234	20,016
Isobutane	9,640	--	-207	--	595	--	308	4,275	204	5,241	6,214
Natural Gasoline	10,577	-14	--	--	-3,055	--	885	3,057	102	3,464	9,477
Refinery Olefins	--	--	6,844	25	630	--	21	--	--	7,478	922
Ethylene	--	--	7	--	--	--	0	--	--	7	0
Propylene	--	--	6,787	--	630	--	-62	--	--	7,479	588
Normal Butylene	--	--	77	25	--	--	83	--	--	19	323
Isobutylene	--	--	-27	--	--	--	0	--	--	-27	11
<b>Other Liquids</b>	--	<b>3,123</b>	--	<b>18,686</b>	<b>-54,152</b>	<b>-62</b>	<b>-1,661</b>	<b>-49,603</b>	<b>13,763</b>	<b>5,096</b>	<b>133,381</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	3,123	--	126	4,775	4,953	-925	8,998	3,385	1,518	5,981
Hydrogen	--	--	--	--	--	3,946	--	3,946	--	0	--
Biofuels (including Fuel Ethanol)	--	3,123	--	126	4,775	1,007	-925	5,052	3,385	1,518	5,981
Fuel Ethanol	--	732	--	--	5,059	1,007	-951	4,558	3,191	0	3,962
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	2,390	--	126	-285	--	26	494	194	1,518	2,018
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	16,440	-75	--	-1,860	5,500	9,143	3,582	46,155
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2,120	-58,852	-5,014	1,131	-64,112	1,235	0	81,222
Reformulated	--	--	--	--	-10,847	1,320	-821	-8,706	0	0	11,670
Conventional	--	--	--	2,120	-48,005	-6,335	1,952	-55,406	1,234	0	69,552
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-7	11	--	-4	23
<b>Finished Petroleum Products</b>	--	<b>5</b>	<b>221,340</b>	<b>6,437</b>	<b>-42,308</b>	<b>4,008</b>	<b>481</b>	--	<b>87,748</b>	<b>101,253</b>	<b>99,270</b>
Finished Motor Gasoline	--	0	64,326	94	-2,030	4,008	171	--	24,480	41,747	7,166
Reformulated	--	--	13,926	--	--	-904	--	--	--	13,022	--
Conventional	--	0	50,400	94	-2,030	4,912	171	--	24,480	28,725	7,166
Finished Aviation Gasoline	--	--	273	--	-141	--	-69	--	--	201	504
Kerosene-Type Jet Fuel	--	--	26,816	--	-14,535	--	-57	--	5,818	6,520	11,776
Kerosene	--	--	-13	--	--	--	125	--	35	-173	497
Distillate Fuel Oil	--	5	87,065	--	-26,020	--	-144	--	40,986	20,207	40,494
15 ppm sulfur and under	--	5	81,271	--	-25,063	--	-889	--	36,421	20,681	33,952
Greater than 15 ppm to 500 ppm sulfur	--	0	2,762	--	-274	--	-68	--	3,250	-694	1,319
Greater than 500 ppm sulfur	--	--	3,032	--	-683	--	813	--	1,316	220	5,223
Residual Fuel Oil	--	--	1,809	4,647	664	--	246	--	2,256	4,618	18,337
Less than 0.31 percent sulfur	--	--	950	--	--	--	159	--	NA	NA	1,055
0.31 to 1.00 percent sulfur	--	--	1,396	119	402	--	8	--	NA	NA	5,401
Greater than 1.00 percent sulfur	--	--	-537	4,528	262	--	79	--	NA	NA	11,881
Petrochemical Feedstocks	--	--	6,493	114	97	--	130	--	--	6,574	2,008
Naphtha for Petro. Feed. Use	--	--	3,590	73	97	--	30	--	--	3,730	1,290
Other Oils for Petro. Feed. Use	--	--	2,903	41	--	--	100	--	--	2,844	718
Special Naphthas	--	--	979	245	-21	--	-59	--	--	1,262	787
Lubricants	--	--	4,297	1,033	-793	--	-183	--	2,282	2,438	8,293
Waxes	--	--	141	53	--	--	38	--	19	137	282
Petroleum Coke	--	--	14,148	251	486	--	-104	--	11,384	3,604	3,012
Marketable	--	--	10,895	251	486	--	-104	--	11,384	351	3,012
Catalyst	--	--	3,253	--	--	--	--	--	--	3,253	--
Asphalt and Road Oil	--	--	2,519	--	-9	--	252	--	458	1,800	5,622
Still Gas	--	--	10,876	--	--	--	--	--	--	10,876	--
Miscellaneous Products	--	--	1,611	--	-5	--	135	--	30	1,441	492
<b>Total</b>	<b>360,525</b>	<b>3,113</b>	<b>237,274</b>	<b>62,213</b>	<b>-36,094</b>	<b>24,727</b>	<b>-945</b>	<b>219,599</b>	<b>249,278</b>	<b>183,826</b>	<b>1,119,806</b>

-- = Not Applicable.

NA = No Data Reported.

1 = Not Available.

1 Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

2 Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

3 Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

4 A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

5 Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

6 Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

7 Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>983,899</b>	--	--	<b>151,595</b>	<b>140,488</b>	<b>84,399</b>	<b>-36,477</b>	<b>1,014,922</b>	<b>381,936</b>	<b>0</b>	<b>782,258</b>
<b>Hydrocarbon Gas Liquids</b>	<b>406,468</b>	<b>-54</b>	<b>49,375</b>	<b>41</b>	<b>101,234</b>	--	<b>-17,708</b>	<b>44,121</b>	<b>219,576</b>	<b>311,076</b>	<b>104,897</b>
Natural Gas Liquids	406,468	-54	24,178	16	98,935	--	-17,487	44,121	219,576	283,334	103,975
Ethane	182,158	--	770	--	65,835	--	-11,264	--	38,929	221,098	43,003
Propane	122,361	--	18,356	16	29,965	--	-4,869	--	143,494	32,073	25,265
Normal Butane	27,289	--	5,687	--	12,379	--	-727	14,173	35,551	-3,642	20,016
Isobutane	36,068	--	-635	--	1,640	--	-200	15,478	733	21,062	6,214
Natural Gasoline	38,592	-54	--	--	-10,884	--	-427	14,470	870	12,742	9,477
Refinery Olefins	--	--	25,197	25	2,299	--	-221	--	--	27,742	922
Ethylene	--	--	36	--	--	--	0	--	--	36	--
Propylene	--	--	25,997	--	2,299	--	-191	--	--	28,487	588
Normal Butylene	--	--	-742	25	--	--	-25	--	--	-692	323
Isobutylene	--	--	-94	--	--	--	-5	--	--	-89	11
<b>Other Liquids</b>	--	<b>11,280</b>	--	<b>56,353</b>	<b>-212,100</b>	<b>6,371</b>	<b>11,134</b>	<b>-225,713</b>	<b>54,271</b>	<b>22,213</b>	<b>133,381</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	11,280	--	256	21,818	16,873	435	33,890	9,828	6,073	5,981
Hydrogen	--	--	--	--	--	14,747	--	14,747	--	0	--
Biofuels (including Fuel Ethanol)	--	11,280	--	211	21,818	2,171	435	19,143	9,828	6,073	5,981
Fuel Ethanol	--	2,725	--	--	22,013	2,171	86	17,309	9,514	0	3,962
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	8,554	--	211	-195	--	349	1,834	314	6,073	2,018
Other Hydrocarbons	--	--	--	45	--	-45	--	--	--	0	--
Unfinished Oils	--	--	--	50,662	2,554	--	4,449	-5,828	38,699	15,896	46,155
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	5,435	-236,472	-10,501	6,252	-253,534	5,744	0	81,222
Reformulated	--	--	--	--	-37,186	13,726	2,177	-25,638	1	0	11,670
Conventional	--	--	--	5,435	-199,286	-24,228	4,075	-227,896	5,742	0	69,552
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-2	-241	--	243	23
<b>Finished Petroleum Products</b>	--	<b>19</b>	<b>846,377</b>	<b>27,712</b>	<b>-177,327</b>	<b>8,331</b>	<b>4,165</b>	--	<b>310,925</b>	<b>390,021</b>	<b>99,270</b>
Finished Motor Gasoline	--	0	255,634	94	-10,402	8,331	397	--	94,382	158,878	7,166
Reformulated	--	--	52,298	--	--	-13,397	--	--	--	38,901	--
Conventional	--	0	203,336	94	-10,402	21,728	397	--	94,382	119,977	7,166
Finished Aviation Gasoline	--	--	1,019	80	-388	--	-3	--	--	714	504
Kerosene-Type Jet Fuel	--	--	94,961	--	-57,053	--	714	--	18,187	19,007	11,776
Kerosene	--	--	2	--	-198	--	183	--	1,072	-1,451	497
Distillate Fuel Oil	--	19	334,193	246	-113,398	--	1,259	--	128,018	91,783	40,494
15 ppm sulfur and under	--	19	312,674	136	-109,265	--	-597	--	109,949	94,212	33,952
Greater than 15 ppm to 500 ppm sulfur	--	0	8,324	--	-550	--	235	--	9,046	-1,507	1,319
Greater than 500 ppm sulfur	--	--	13,195	110	-3,583	--	1,621	--	9,023	-922	5,223
Residual Fuel Oil	--	--	8,486	20,532	2,930	--	3,008	--	8,969	19,971	18,337
Less than 0.31 percent sulfur	--	--	3,634	--	48	--	-16	--	NA	NA	1,055
0.31 to 1.00 percent sulfur	--	--	4,310	1,078	1,646	--	1,017	--	NA	NA	5,401
Greater than 1.00 percent sulfur	--	--	542	19,454	1,236	--	2,007	--	NA	NA	11,881
Petrochemical Feedstocks	--	--	23,194	822	277	--	2	--	--	24,291	2,008
Naphtha for Petro. Feed. Use	--	--	14,466	662	245	--	-178	--	--	15,551	1,290
Other Oils for Petro. Feed. Use	--	--	8,728	160	32	--	180	--	--	8,740	718
Special Naphthas	--	--	4,320	962	-123	--	-63	--	--	5,222	787
Lubricants	--	--	15,506	3,744	-2,749	--	-1,376	--	8,696	9,181	8,293
Waxes	--	--	567	139	--	--	8	--	98	600	282
Petroleum Coke	--	--	52,215	1,065	3,963	--	-834	--	50,055	8,022	3,012
Marketable	--	--	40,145	1,065	3,963	--	-834	--	50,055	-4,048	3,012
Catalyst	--	--	12,070	--	--	--	--	--	--	12,070	--
Asphalt and Road Oil	--	--	9,330	28	-151	--	704	--	1,366	7,137	5,622
Still Gas	--	--	40,655	--	--	--	--	--	--	40,655	--
Miscellaneous Products	--	--	6,295	--	-35	--	166	--	82	6,012	492
<b>Total</b>	<b>1,390,367</b>	<b>11,244</b>	<b>895,752</b>	<b>235,701</b>	<b>-147,705</b>	<b>99,101</b>	<b>-38,887</b>	<b>833,330</b>	<b>966,708</b>	<b>723,309</b>	<b>1,119,806</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>8,445</b>	<b>--</b>	<b>--</b>	<b>1,235</b>	<b>1,032</b>	<b>693</b>	<b>-390</b>	<b>8,672</b>	<b>3,122</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>3,572</b>	<b>0</b>	<b>531</b>	<b>1</b>	<b>980</b>	<b>--</b>	<b>398</b>	<b>301</b>	<b>1,803</b>	<b>2,583</b>
Natural Gas Liquids	3,572	0	303	1	959	--	397	301	1,803	2,333
Ethane	1,599	--	5	--	606	--	80	--	299	1,832
Propane	1,065	--	166	1	305	--	146	--	1,138	253
Normal Butane	235	--	139	--	130	--	132	57	356	-41
Isobutane	321	--	-7	--	20	--	10	143	7	175
Natural Gasoline	353	0	--	--	-102	--	29	102	3	115
Refinery Olefins	--	--	228	1	21	--	1	--	--	249
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	226	--	21	--	-2	--	--	249
Normal Butylene	--	--	3	1	--	--	3	--	--	1
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	<b>--</b>	<b>104</b>	<b>--</b>	<b>623</b>	<b>-1,805</b>	<b>-2</b>	<b>-55</b>	<b>-1,653</b>	<b>459</b>	<b>170</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	104	--	4	159	165	-31	300	113	51
Hydrogen	--	--	--	--	--	132	--	132	--	0
Biofuels (including Fuel Ethanol)	--	104	--	4	159	34	-31	168	113	51
Fuel Ethanol	--	24	--	--	169	34	-32	152	106	0
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	80	--	4	-9	--	1	16	6	51
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	548	-3	--	-62	183	305	119
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	71	-1,962	-167	38	-2,137	41	0
Reformulated	--	--	--	--	-362	44	-27	-290	0	0
Conventional	--	--	--	71	-1,600	-211	65	-1,847	41	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	<b>--</b>	<b>0</b>	<b>7,378</b>	<b>215</b>	<b>-1,410</b>	<b>134</b>	<b>16</b>	<b>--</b>	<b>2,925</b>	<b>3,375</b>
Finished Motor Gasoline	--	0	2,144	3	-68	134	6	--	816	1,392
Reformulated	--	--	464	--	--	-30	--	--	--	434
Conventional	--	0	1,680	3	-68	164	6	--	816	958
Finished Aviation Gasoline	--	--	9	--	-5	--	-2	--	--	7
Kerosene-Type Jet Fuel	--	--	894	--	-485	--	-2	--	194	217
Kerosene	--	--	0	--	--	--	4	--	1	-6
Distillate Fuel Oil	--	0	2,902	--	-867	--	-5	--	1,366	674
15 ppm sulfur and under	--	0	2,709	--	-835	--	-30	--	1,214	689
Greater than 15 ppm to 500 ppm sulfur	--	0	92	--	-9	--	-2	--	108	-23
Greater than 500 ppm sulfur	--	--	101	--	-23	--	27	--	44	7
Residual Fuel Oil	--	--	60	155	22	--	8	--	75	154
Less than 0.31 percent sulfur	--	--	32	--	--	--	5	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	47	4	13	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	-18	151	9	--	3	--	NA	NA
Petrochemical Feedstocks	--	--	216	4	3	--	4	--	--	219
Naphtha for Petro. Feed. Use	--	--	120	2	3	--	1	--	--	124
Other Oils for Petro. Feed. Use	--	--	97	1	--	--	3	--	--	95
Special Naphthas	--	--	33	8	-1	--	-2	--	--	42
Lubricants	--	--	143	34	-26	--	-6	--	76	81
Waxes	--	--	5	2	--	--	1	--	1	5
Petroleum Coke	--	--	472	8	16	--	-3	--	379	120
Marketable	--	--	363	8	16	--	-3	--	379	12
Catalyst	--	--	108	--	--	--	--	--	--	108
Asphalt and Road Oil	--	--	84	--	0	--	8	--	15	60
Still Gas	--	--	363	--	--	--	--	--	--	363
Miscellaneous Products	--	--	54	--	0	--	5	--	1	48
<b>Total</b>	<b>12,018</b>	<b>104</b>	<b>7,909</b>	<b>2,074</b>	<b>-1,203</b>	<b>824</b>	<b>-31</b>	<b>7,320</b>	<b>8,309</b>	<b>6,128</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>8,199</b>	--	--	<b>1,263</b>	<b>1,171</b>	<b>703</b>	<b>-304</b>	<b>8,458</b>	<b>3,183</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>3,387</b>	<b>0</b>	<b>411</b>	<b>0</b>	<b>844</b>	--	<b>-148</b>	<b>368</b>	<b>1,830</b>	<b>2,592</b>
Natural Gas Liquids	3,387	0	201	0	824	--	-146	368	1,830	2,361
Ethane	1,518	--	6	--	549	--	-94	--	324	1,842
Propane	1,020	--	153	0	250	--	-41	--	1,196	267
Normal Butane	227	--	47	--	103	--	-6	118	296	-30
Isobutane	301	--	-5	--	14	--	-2	129	6	176
Natural Gasoline	322	0	--	--	-91	--	-4	121	7	106
Refinery Olefins	--	--	210	0	19	--	-2	--	--	231
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	217	--	19	--	-2	--	--	237
Normal Butylene	--	--	-6	0	--	--	0	--	--	-6
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	--	<b>94</b>	--	<b>470</b>	<b>-1,767</b>	<b>53</b>	<b>93</b>	<b>-1,881</b>	<b>452</b>	<b>185</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	94	--	2	182	141	4	282	82	51
Hydrogen	--	--	--	--	--	123	--	123	--	0
Biofuels (including Fuel Ethanol)	--	94	--	2	182	18	4	160	82	51
Fuel Ethanol	--	23	--	--	183	18	1	144	79	0
Biofuels (excluding Fuel Ethanol) <sup>7</sup>	--	71	--	2	-2	--	3	15	3	51
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	422	21	--	37	-49	322	132
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	45	-1,971	-88	52	-2,113	48	0
Reformulated	--	--	--	--	-310	114	18	-214	0	0
Conventional	--	--	--	45	-1,661	-202	34	-1,899	48	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	-2	--	2
<b>Finished Petroleum Products</b>	--	<b>0</b>	<b>7,053</b>	<b>231</b>	<b>-1,478</b>	<b>69</b>	<b>35</b>	--	<b>2,591</b>	<b>3,250</b>
Finished Motor Gasoline	--	0	2,130	1	-87	69	3	--	787	1,324
Reformulated	--	--	436	--	--	-112	--	--	--	324
Conventional	--	0	1,694	1	-87	181	3	--	787	1,000
Finished Aviation Gasoline	--	--	8	1	-3	--	0	--	--	6
Kerosene-Type Jet Fuel	--	--	791	--	-475	--	6	--	152	158
Kerosene	--	--	0	--	-2	--	2	--	9	-12
Distillate Fuel Oil	--	0	2,785	2	-945	--	10	--	1,067	765
15 ppm sulfur and under	--	0	2,606	1	-911	--	-5	--	916	785
Greater than 15 ppm to 500 ppm sulfur	--	0	69	--	-5	--	2	--	75	-13
Greater than 500 ppm sulfur	--	--	110	1	-30	--	14	--	75	-8
Residual Fuel Oil	--	--	71	171	24	--	25	--	75	166
Less than 0.31 percent sulfur	--	--	30	--	0	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	36	9	14	--	8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	162	10	--	17	--	NA	NA
Petrochemical Feedstocks	--	--	193	7	2	--	0	--	--	202
Naphtha for Petro. Feed. Use	--	--	121	6	2	--	-1	--	--	130
Other Oils for Petro. Feed. Use	--	--	73	1	0	--	2	--	--	73
Special Naphthas	--	--	36	8	-1	--	-1	--	--	44
Lubricants	--	--	129	31	-23	--	-11	--	72	77
Waxes	--	--	5	1	--	--	0	--	1	5
Petroleum Coke	--	--	435	9	33	--	-7	--	417	67
Marketable	--	--	335	9	33	--	-7	--	417	-34
Catalyst	--	--	101	--	--	--	--	--	--	101
Asphalt and Road Oil	--	--	78	0	-1	--	6	--	11	59
Still Gas	--	--	339	--	--	--	--	--	--	339
Miscellaneous Products	--	--	52	--	0	--	1	--	1	50
<b>Total</b>	<b>11,586</b>	<b>94</b>	<b>7,465</b>	<b>1,964</b>	<b>-1,231</b>	<b>826</b>	<b>-324</b>	<b>6,944</b>	<b>8,056</b>	<b>6,028</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>24,887</b>	--	--	<b>10,939</b>	<b>-20,690</b>	<b>-1,186</b>	<b>-2,506</b>	<b>16,456</b>	--	<b>0</b>	<b>23,192</b>
<b>Hydrocarbon Gas Liquids</b>	<b>16,346</b>	<b>-10</b>	<b>408</b>	<b>276</b>	<b>-15,250</b>	--	<b>177</b>	<b>485</b>	<b>67</b>	<b>1,042</b>	<b>6,222</b>
Natural Gas Liquids	16,346	-10	287	276	-15,250	--	197	485	67	901	6,045
Ethane	5,409	--	--	--	-5,712	--	-281	--	0	-22	1,350
Propane	5,622	--	189	264	-4,859	--	179	--	1	1,036	2,064
Normal Butane	2,212	--	96	12	-1,823	--	198	180	20	99	1,486
Isobutane	960	--	2	--	-1,052	--	36	159	--	-285	446
Natural Gasoline	2,143	-10	--	--	-1,804	--	65	146	45	73	699
Refinery Olefins	--	--	121	--	--	--	-20	--	--	141	177
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	--	--	--	0	--	--	39	2
Normal Butylene	--	--	82	--	--	--	-20	--	--	102	175
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>700</b>	--	<b>147</b>	<b>1,043</b>	<b>467</b>	<b>459</b>	<b>1,564</b>	<b>4</b>	<b>329</b>	<b>10,134</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	700	--	4	398	298	115	1,164	3	117	576
Hydrogen	--	--	--	--	--	210	--	210	--	0	--
Biofuels (including Fuel Ethanol)	--	700	--	4	398	88	115	954	3	117	576
Fuel Ethanol	--	434	--	--	375	88	21	876	0	0	402
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	266	--	4	23	--	94	78	3	117	174
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	52	--	--	425	-585	0	212	3,119
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	91	645	169	-81	985	1	0	6,439
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	91	645	169	-81	985	1	0	6,439
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>0</b>	<b>18,973</b>	<b>341</b>	<b>271</b>	<b>-257</b>	<b>36</b>	--	<b>14</b>	<b>19,278</b>	<b>8,558</b>
Finished Motor Gasoline	--	--	10,079	19	-176	-257	-51	--	1	9,715	1,512
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	10,079	19	-176	-257	-51	--	1	9,715	1,512
Finished Aviation Gasoline	--	--	3	--	--	--	-1	--	--	4	5
Kerosene-Type Jet Fuel	--	--	1,003	18	668	--	61	--	--	1,628	662
Kerosene	--	--	--	--	--	--	0	--	--	0	2
Distillate Fuel Oil	--	0	5,510	209	340	--	91	--	0	5,968	3,771
15 ppm sulfur and under	--	0	5,401	209	340	--	53	--	0	5,897	3,519
Greater than 15 ppm to 500 ppm sulfur	--	--	93	--	--	--	22	--	--	71	185
Greater than 500 ppm sulfur	--	--	16	--	--	--	16	--	--	0	67
Residual Fuel Oil	--	--	306	--	--	--	-26	--	--	332	202
Less than 0.31 percent sulfur	--	--	152	--	--	--	-15	--	NA	NA	12
0.31 to 1.00 percent sulfur	--	--	41	--	--	--	10	--	NA	NA	34
Greater than 1.00 percent sulfur	--	--	113	--	--	--	-21	--	NA	NA	156
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	11	-11	--
Waxes	--	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	553	--	-260	--	-33	--	--	326	60
Marketable	--	--	370	--	-260	--	-33	--	--	143	60
Catalyst	--	--	183	--	--	--	--	--	--	183	--
Asphalt and Road Oil	--	--	795	94	-300	--	-11	--	1	599	2,324
Still Gas	--	--	610	--	--	--	--	--	--	610	--
Miscellaneous Products	--	--	114	1	--	--	6	--	--	109	20
<b>Total</b>	<b>41,233</b>	<b>690</b>	<b>19,381</b>	<b>11,703</b>	<b>-34,627</b>	<b>-976</b>	<b>-1,834</b>	<b>18,505</b>	<b>85</b>	<b>20,649</b>	<b>48,106</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>98,889</b>	--	--	<b>47,478</b>	<b>-73,141</b>	<b>-6,181</b>	<b>-1,134</b>	<b>68,179</b>	--	<b>0</b>	<b>23,192</b>
<b>Hydrocarbon Gas Liquids</b>	<b>63,894</b>	<b>-41</b>	<b>1,239</b>	<b>1,784</b>	<b>-60,102</b>	--	<b>-956</b>	<b>2,089</b>	<b>216</b>	<b>5,424</b>	<b>6,222</b>
Natural Gas Liquids	63,894	-41	660	1,784	-60,102	--	-1,057	2,089	216	4,946	6,045
Ethane	20,884	--	--	--	-21,823	--	51	--	1	-991	1,350
Propane	22,137	--	859	1,646	-19,526	--	-769	--	4	5,881	2,064
Normal Butane	8,616	--	-240	134	-7,466	--	-333	938	22	417	1,486
Isobutane	3,873	--	41	4	-4,231	--	8	645	--	-966	446
Natural Gasoline	8,384	-41	--	--	-7,056	--	-14	506	189	606	699
Refinery Olefins	--	--	579	--	--	--	101	--	--	478	177
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	182	--	--	--	-1	--	--	183	2
Normal Butylene	--	--	397	--	--	--	102	--	--	295	175
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>2,737</b>	--	<b>233</b>	<b>2,891</b>	<b>878</b>	<b>379</b>	<b>5,084</b>	<b>8</b>	<b>1,268</b>	<b>10,134</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	2,737	--	16	1,214	1,441	156	4,563	6	683	576
Hydrogen	--	--	--	--	--	920	--	920	--	0	--
Biofuels (including Fuel Ethanol)	--	2,737	--	16	1,214	521	156	3,643	6	683	576
Fuel Ethanol	--	1,729	--	7	1,134	521	23	3,366	2	0	402
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	1,008	--	9	80	--	133	277	4	683	174
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	68	--	--	349	-867	1	585	3,119
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	149	1,677	-563	-126	1,388	1	0	6,439
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	149	1,677	-563	-126	1,388	1	0	6,439
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>-1</b>	<b>77,485</b>	<b>1,143</b>	<b>-1,230</b>	<b>42</b>	<b>-177</b>	--	<b>61</b>	<b>77,555</b>	<b>8,558</b>
Finished Motor Gasoline	--	--	39,547	19	-1,391	42	-70	--	4	38,283	1,512
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	39,547	19	-1,391	42	-70	--	4	38,283	1,512
Finished Aviation Gasoline	--	--	15	2	--	--	-4	--	--	21	5
Kerosene-Type Jet Fuel	--	--	3,866	116	2,578	--	-30	--	--	6,590	662
Kerosene	--	--	2	--	--	--	1	--	--	1	2
Distillate Fuel Oil	--	-1	23,351	659	145	--	-755	--	0	24,909	3,771
15 ppm sulfur and under	--	-1	23,052	659	145	--	-778	--	0	24,633	3,519
Greater than 15 ppm to 500 ppm sulfur	--	--	297	--	--	--	22	--	--	275	185
Greater than 500 ppm sulfur	--	--	2	--	--	--	1	--	--	1	67
Residual Fuel Oil	--	--	1,314	--	--	--	-10	--	--	1,324	202
Less than 0.31 percent sulfur	--	--	680	--	--	--	-10	--	NA	NA	12
0.31 to 1.00 percent sulfur	--	--	151	--	--	--	30	--	NA	NA	34
Greater than 1.00 percent sulfur	--	--	483	--	--	--	-30	--	NA	NA	156
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	54	-54	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	2,657	--	-892	--	-77	--	--	1,842	60
Marketable	--	--	1,800	--	-892	--	-77	--	--	985	60
Catalyst	--	--	857	--	--	--	--	--	--	857	--
Asphalt and Road Oil	--	--	3,672	343	-1,670	--	765	--	3	1,577	2,324
Still Gas	--	--	2,543	--	--	--	--	--	--	2,543	--
Miscellaneous Products	--	--	518	4	--	--	3	--	--	519	20
<b>Total</b>	<b>162,783</b>	<b>2,694</b>	<b>78,724</b>	<b>50,638</b>	<b>-131,582</b>	<b>-5,261</b>	<b>-1,889</b>	<b>75,352</b>	<b>285</b>	<b>84,247</b>	<b>48,106</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>830</b>	--	--	<b>365</b>	<b>-690</b>	<b>-40</b>	<b>-84</b>	<b>549</b>	--	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>545</b>	<b>0</b>	<b>14</b>	<b>9</b>	<b>-508</b>	--	<b>6</b>	<b>16</b>	<b>2</b>	<b>35</b>
Natural Gas Liquids	545	0	10	9	-508	--	7	16	2	30
Ethane	180	--	--	--	-190	--	-9	--	0	-1
Propane	187	--	6	9	-162	--	6	--	0	35
Normal Butane	74	--	3	0	-61	--	7	6	1	3
Isobutane	32	--	0	--	-35	--	1	5	--	-10
Natural Gasoline	71	0	--	--	-60	--	2	5	2	2
Refinery Olefins	--	--	4	--	--	--	-1	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	3	--	--	--	-1	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>23</b>	--	<b>5</b>	<b>35</b>	<b>16</b>	<b>15</b>	<b>52</b>	<b>0</b>	<b>11</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	23	--	0	13	10	4	39	0	4
Hydrogen	--	--	--	--	--	7	--	7	--	0
Biofuels (including Fuel Ethanol)	--	23	--	0	13	3	4	32	0	4
Fuel Ethanol	--	14	--	--	13	3	1	29	0	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	9	--	0	1	--	3	3	0	4
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2	--	--	14	-20	0	7
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	3	22	6	-3	33	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	3	22	6	-3	33	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>0</b>	<b>632</b>	<b>11</b>	<b>9</b>	<b>-9</b>	<b>1</b>	--	<b>0</b>	<b>643</b>
Finished Motor Gasoline	--	--	336	1	-6	-9	-2	--	0	324
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	336	1	-6	-9	-2	--	0	324
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	33	1	22	--	2	--	--	54
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	184	7	11	--	3	--	0	199
15 ppm sulfur and under	--	0	180	7	11	--	2	--	0	197
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	1	--	--	2
Greater than 500 ppm sulfur	--	--	1	--	--	--	1	--	--	0
Residual Fuel Oil	--	--	10	--	--	--	-1	--	--	11
Less than 0.31 percent sulfur	--	--	5	--	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	--	--
Petroleum Coke	--	--	18	--	-9	--	-1	--	--	11
Marketable	--	--	12	--	-9	--	-1	--	--	5
Catalyst	--	--	6	--	--	--	--	--	--	6
Asphalt and Road Oil	--	--	27	3	-10	--	0	--	0	20
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
<b>Total</b>	<b>1,374</b>	<b>23</b>	<b>646</b>	<b>390</b>	<b>-1,154</b>	<b>-33</b>	<b>-61</b>	<b>617</b>	<b>3</b>	<b>688</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>824</b>	--	--	<b>396</b>	<b>-610</b>	<b>-52</b>	<b>-9</b>	<b>568</b>	--	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>532</b>	<b>0</b>	<b>10</b>	<b>15</b>	<b>-501</b>	--	<b>-8</b>	<b>17</b>	<b>2</b>	<b>45</b>
Natural Gas Liquids	532	0	6	15	-501	--	-9	17	2	41
Ethane	174	--	--	--	-182	--	0	--	0	-8
Propane	184	--	7	14	-163	--	-6	--	0	49
Normal Butane	72	--	-2	1	-62	--	-3	8	0	3
Isobutane	32	--	0	0	-35	--	0	5	--	-8
Natural Gasoline	70	0	--	--	-59	--	0	4	2	5
Refinery Olefins	--	--	5	--	--	--	1	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	2	--	--	--	0	--	--	2
Normal Butylene	--	--	3	--	--	--	1	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>23</b>	--	<b>2</b>	<b>24</b>	<b>7</b>	<b>3</b>	<b>42</b>	<b>0</b>	<b>11</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	23	--	0	10	12	1	38	0	6
Hydrogen	--	--	--	--	--	8	--	8	--	0
Biofuels (including Fuel Ethanol)	--	23	--	0	10	4	1	30	0	6
Fuel Ethanol	--	14	--	0	9	4	0	28	0	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	8	--	0	1	--	1	2	0	6
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1	--	--	3	-7	0	5
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	14	-5	-1	12	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	1	14	-5	-1	12	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>0</b>	<b>646</b>	<b>10</b>	<b>-10</b>	<b>0</b>	<b>-1</b>	--	<b>1</b>	<b>646</b>
Finished Motor Gasoline	--	--	330	0	-12	0	-1	--	0	319
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	330	0	-12	0	-1	--	0	319
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	32	1	21	--	0	--	--	55
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	195	5	1	--	-6	--	0	208
15 ppm sulfur and under	--	0	192	5	1	--	-6	--	0	205
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	0	--	--	2
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	--	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	22	--	-7	--	-1	--	--	15
Marketable	--	--	15	--	-7	--	-1	--	--	8
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	31	3	-14	--	6	--	0	13
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
<b>Total</b>	<b>1,357</b>	<b>22</b>	<b>656</b>	<b>422</b>	<b>-1,097</b>	<b>-44</b>	<b>-16</b>	<b>628</b>	<b>2</b>	<b>702</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>23,667</b>	--	--	<b>35,475</b>	<b>3,081</b>	<b>178</b>	<b>1,602</b>	<b>60,799</b>	--	<b>0</b>	<b>48,400</b>
<b>Hydrocarbon Gas Liquids</b>	<b>2,344</b>	<b>-6</b>	<b>1,933</b>	<b>1,218</b>	<b>673</b>	--	<b>56</b>	<b>2,207</b>	<b>1,637</b>	<b>2,263</b>	<b>2,674</b>
Natural Gas Liquids	2,344	-6	1,830	1,218	673	--	75	2,207	1,637	2,141	2,651
Ethane	1	--	--	--	--	--	--	--	0	1	--
Propane	282	--	1,066	740	355	--	13	--	754	1,676	549
Normal Butane	593	--	747	478	268	--	84	609	859	534	1,646
Isobutane	386	--	17	--	50	--	-20	612	1	-140	419
Natural Gasoline	1,082	-6	--	--	--	--	-2	986	23	69	37
Refinery Olefins	--	--	103	--	--	--	-19	--	--	122	23
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	112	--	--	--	-1	--	--	113	11
Normal Butylene	--	--	-9	--	--	--	-18	--	--	9	12
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>1,012</b>	<b>--</b>	<b>5,500</b>	<b>10,117</b>	<b>-233</b>	<b>-1,064</b>	<b>15,218</b>	<b>824</b>	<b>1,418</b>	<b>52,708</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	1,012	--	468	5,674	702	-694	6,544	511	1,494	4,799
Hydrogen	--	--	--	--	--	1,339	--	1,339	--	0	--
Biofuels (including Fuel Ethanol)	--	1,012	--	468	5,674	-637	-694	5,205	511	1,494	4,799
Fuel Ethanol	--	207	--	--	4,819	-637	-444	4,463	369	0	2,172
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	805	--	468	855	--	-250	742	142	1,494	2,627
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2,744	--	--	-842	3,634	28	-76	19,358
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2,288	4,443	-935	472	5,040	284	0	28,551
Reformulated	--	--	--	552	1,913	369	743	2,089	2	0	13,977
Conventional	--	--	--	1,736	2,530	-1,304	-271	2,951	282	0	14,574
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>69</b>	<b>81,123</b>	<b>5,027</b>	<b>2,300</b>	<b>1,572</b>	<b>1,570</b>	<b>--</b>	<b>7,850</b>	<b>80,671</b>	<b>34,087</b>
Finished Motor Gasoline	--	60	43,859	1,053	108	1,572	189	--	1,088	45,375	2,039
Reformulated	--	--	30,433	--	--	81	1	--	--	30,513	27
Conventional	--	60	13,426	1,053	108	1,491	188	--	1,088	14,863	2,012
Finished Aviation Gasoline	--	--	-1	--	--	--	-25	--	--	24	267
Kerosene-Type Jet Fuel	--	10	12,320	2,376	371	--	1,079	--	606	13,392	9,440
Kerosene	--	--	8	--	--	--	-5	--	2	11	8
Distillate Fuel Oil	--	-1	13,941	685	1,313	--	-737	--	1,563	15,112	12,535
15 ppm sulfur and under	--	-1	13,030	684	1,313	--	-644	--	1,296	14,375	11,497
Greater than 15 ppm to 500 ppm sulfur	--	--	377	--	--	--	38	--	26	313	407
Greater than 500 ppm sulfur	--	--	534	1	--	--	-131	--	242	424	631
Residual Fuel Oil	--	--	2,327	771	--	--	810	--	673	1,615	4,843
Less than 0.31 percent sulfur	--	--	46	--	--	--	67	--	NA	NA	1,110
0.31 to 1.00 percent sulfur	--	--	694	697	--	--	137	--	NA	NA	575
Greater than 1.00 percent sulfur	--	--	1,587	74	--	--	606	--	NA	NA	3,158
Petrochemical Feedstocks	--	--	--	28	--	--	0	--	--	28	2
Naphtha for Petro. Feed. Use	--	--	--	28	--	--	0	--	--	28	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	31	--	--	--	-44	--	--	75	16
Lubricants	--	--	150	12	-96	--	-93	--	106	53	807
Waxes	--	--	--	48	--	--	--	--	4	44	--
Petroleum Coke	--	--	3,929	--	16	--	226	--	3,778	-59	1,483
Marketable	--	--	3,002	--	16	--	226	--	3,778	-986	1,483
Catalyst	--	--	927	--	--	--	--	--	--	927	--
Asphalt and Road Oil	--	--	869	54	588	--	168	--	30	1,313	2,571
Still Gas	--	--	3,300	--	--	--	--	--	--	3,300	--
Miscellaneous Products	--	--	390	--	--	--	2	--	0	388	77
<b>Total</b>	<b>26,011</b>	<b>1,075</b>	<b>83,056</b>	<b>47,220</b>	<b>16,171</b>	<b>1,517</b>	<b>2,164</b>	<b>78,224</b>	<b>10,311</b>	<b>84,352</b>	<b>137,870</b>

-- = Not Applicable.

NA = No Data Reported.

-- = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>95,272</b>	--	--	<b>140,257</b>	<b>9,478</b>	<b>7,543</b>	<b>1,652</b>	<b>249,350</b>	<b>1,548</b>	<b>0</b>	<b>48,400</b>
<b>Hydrocarbon Gas Liquids</b>	<b>8,761</b>	<b>-23</b>	<b>4,568</b>	<b>5,748</b>	<b>4,517</b>	--	<b>-922</b>	<b>9,757</b>	<b>6,000</b>	<b>8,736</b>	<b>2,674</b>
Natural Gas Liquids	8,761	-23	3,884	5,748	4,517	--	-895	9,757	6,000	8,025	2,651
Ethane	3	--	--	--	--	--	--	--	2	1	--
Propane	881	--	3,769	3,283	1,722	--	-1,121	--	2,896	7,880	549
Normal Butane	2,308	--	-211	2,465	2,204	--	133	3,379	3,007	247	1,646
Isobutane	1,209	--	326	--	591	--	85	2,320	6	-285	419
Natural Gasoline	4,360	-23	--	--	--	--	8	4,058	90	181	37
Refinery Olefins	--	--	684	--	--	--	-27	--	--	711	23
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	710	--	--	--	-5	--	--	715	11
Normal Butylene	--	--	-26	--	--	--	-22	--	--	-4	12
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>3,911</b>	--	<b>14,357</b>	<b>36,126</b>	<b>1,117</b>	<b>1,208</b>	<b>44,241</b>	<b>3,062</b>	<b>7,001</b>	<b>52,708</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	3,911	--	2,359	18,216	6,360	-193	25,353	2,300	3,387	4,799
Hydrogen	--	--	--	--	--	5,090	--	5,090	--	0	--
Biofuels (including Fuel Ethanol)	--	3,911	--	2,359	18,216	1,270	-193	20,263	2,300	3,387	4,799
Fuel Ethanol	--	912	--	250	15,663	1,270	-185	17,363	918	0	2,172
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	2,999	--	2,109	2,552	--	-8	2,900	1,382	3,387	2,627
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	7,045	--	--	425	2,703	303	3,614	19,358
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	4,953	17,910	-5,243	976	16,185	459	0	28,551
Reformulated	--	0	--	979	7,094	958	146	8,879	6	0	13,977
Conventional	--	--	--	3,974	10,816	-6,201	830	7,306	453	0	14,574
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>190</b>	<b>318,133</b>	<b>17,617</b>	<b>8,366</b>	<b>3,973</b>	<b>2,222</b>	--	<b>30,801</b>	<b>315,256</b>	<b>34,087</b>
Finished Motor Gasoline	--	160	171,232	3,127	355	3,973	-35	--	4,344	174,538	2,039
Reformulated	--	--	119,484	--	--	854	11	--	--	120,327	27
Conventional	--	160	51,748	3,127	355	3,119	-46	--	4,344	54,211	2,012
Finished Aviation Gasoline	--	--	56	1	--	--	-49	--	--	106	267
Kerosene-Type Jet Fuel	--	34	45,944	9,907	931	--	1,374	--	2,308	53,134	9,440
Kerosene	--	--	48	--	--	--	-27	--	8	67	8
Distillate Fuel Oil	--	-4	56,213	2,500	5,287	--	122	--	7,742	56,132	12,535
15 ppm sulfur and under	--	-4	52,798	1,868	5,287	--	-113	--	5,735	54,327	11,497
Greater than 15 ppm to 500 ppm sulfur	--	--	1,473	631	--	--	140	--	780	1,184	407
Greater than 500 ppm sulfur	--	--	1,942	1	--	--	95	--	1,228	620	631
Residual Fuel Oil	--	--	11,145	1,487	--	--	493	--	2,859	9,280	4,843
Less than 0.31 percent sulfur	--	--	162	--	--	--	21	--	NA	NA	1,110
0.31 to 1.00 percent sulfur	--	--	2,425	994	--	--	140	--	NA	NA	575
Greater than 1.00 percent sulfur	--	--	8,558	493	--	--	332	--	NA	NA	3,158
Petrochemical Feedstocks	--	--	--	127	--	--	0	--	--	127	2
Naphtha for Petro. Feed. Use	--	--	--	127	--	--	0	--	--	127	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	179	--	--	--	-2	--	--	181	16
Lubricants	--	--	1,622	128	-192	--	-142	--	1,304	396	807
Waxes	--	--	--	148	--	--	--	--	14	134	--
Petroleum Coke	--	--	14,598	--	-44	--	148	--	12,092	2,314	1,483
Marketable	--	--	11,154	--	-44	--	148	--	12,092	-1,130	1,483
Catalyst	--	--	3,444	--	--	--	--	--	--	3,444	--
Asphalt and Road Oil	--	--	2,569	192	2,030	--	349	--	130	4,312	2,571
Still Gas	--	--	12,991	--	--	--	--	--	--	12,991	--
Miscellaneous Products	--	--	1,536	--	--	--	-10	--	1	1,545	77
<b>Total</b>	<b>104,033</b>	<b>4,078</b>	<b>322,701</b>	<b>177,979</b>	<b>58,487</b>	<b>12,633</b>	<b>4,159</b>	<b>303,348</b>	<b>41,411</b>	<b>330,992</b>	<b>137,870</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocetene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>789</b>	<b>--</b>	<b>--</b>	<b>1,183</b>	<b>103</b>	<b>6</b>	<b>53</b>	<b>2,027</b>	<b>--</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>78</b>	<b>0</b>	<b>64</b>	<b>41</b>	<b>22</b>	<b>--</b>	<b>2</b>	<b>74</b>	<b>55</b>	<b>75</b>
Natural Gas Liquids	78	0	61	41	22	--	2	74	55	71
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	36	25	12	--	0	--	25	56
Normal Butane	20	--	25	16	9	--	3	20	29	18
Isobutane	13	--	1	--	2	--	-1	20	0	-5
Natural Gasoline	36	0	--	--	--	--	0	33	1	2
Refinery Olefins	--	--	3	--	--	--	-1	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	4	--	--	--	0	--	--	4
Normal Butylene	--	--	0	--	--	--	-1	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>34</b>	<b>--</b>	<b>183</b>	<b>337</b>	<b>-8</b>	<b>-35</b>	<b>507</b>	<b>27</b>	<b>47</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	34	--	16	189	23	-23	218	17	50
Hydrogen	--	--	--	--	--	45	--	45	--	0
Biofuels (including Fuel Ethanol)	--	34	--	16	189	-21	-23	174	17	50
Fuel Ethanol	--	7	--	--	161	-21	-15	149	12	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	27	--	16	29	--	-8	25	5	50
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	91	--	--	-28	121	1	-3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	76	148	-31	16	168	9	0
Reformulated	--	--	--	18	64	12	25	70	0	0
Conventional	--	--	--	58	84	-43	-9	98	9	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>2</b>	<b>2,704</b>	<b>168</b>	<b>77</b>	<b>52</b>	<b>52</b>	<b>--</b>	<b>262</b>	<b>2,689</b>
Finished Motor Gasoline	--	2	1,462	35	4	52	6	--	36	1,513
Reformulated	--	--	1,014	--	--	3	0	--	--	1,017
Conventional	--	2	448	35	4	50	6	--	36	495
Finished Aviation Gasoline	--	--	0	--	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	0	411	79	12	--	36	--	20	446
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	0	465	23	44	--	-25	--	52	504
15 ppm sulfur and under	--	0	434	23	44	--	-21	--	43	479
Greater than 15 ppm to 500 ppm sulfur	--	--	13	--	--	--	1	--	1	10
Greater than 500 ppm sulfur	--	--	18	0	--	--	-4	--	8	14
Residual Fuel Oil	--	--	78	26	--	--	27	--	22	54
Less than 0.31 percent sulfur	--	--	2	--	--	--	2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	23	23	--	--	5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	53	2	--	--	20	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	-1	--	--	3
Lubricants	--	--	5	0	-3	--	-3	--	4	2
Waxes	--	--	--	2	--	--	--	--	0	1
Petroleum Coke	--	--	131	--	1	--	8	--	126	-2
Marketable	--	--	100	--	1	--	8	--	126	-33
Catalyst	--	--	31	--	--	--	--	--	--	31
Asphalt and Road Oil	--	--	29	2	20	--	6	--	1	44
Still Gas	--	--	110	--	--	--	--	--	--	110
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
<b>Total</b>	<b>867</b>	<b>36</b>	<b>2,769</b>	<b>1,574</b>	<b>539</b>	<b>51</b>	<b>72</b>	<b>2,607</b>	<b>344</b>	<b>2,812</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2022**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Biofuels Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>794</b>	<b>--</b>	<b>--</b>	<b>1,169</b>	<b>79</b>	<b>63</b>	<b>14</b>	<b>2,078</b>	<b>13</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>73</b>	<b>0</b>	<b>38</b>	<b>48</b>	<b>38</b>	<b>--</b>	<b>-8</b>	<b>81</b>	<b>50</b>	<b>73</b>
Natural Gas Liquids	73	0	32	48	38	--	-7	81	50	67
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	7	--	31	27	14	--	-9	--	24	66
Normal Butane	19	--	-2	21	18	--	1	28	25	2
Isobutane	10	--	3	--	5	--	1	19	0	-2
Natural Gasoline	36	0	--	--	--	--	0	34	1	2
Refinery Olefins	--	--	6	--	--	--	0	--	--	6
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6	--	--	--	0	--	--	6
Normal Butylene	--	--	0	--	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>33</b>	<b>--</b>	<b>120</b>	<b>301</b>	<b>9</b>	<b>10</b>	<b>369</b>	<b>26</b>	<b>58</b>
Hydrogen/Biofuels/Other Hydrocarbons	--	33	--	20	152	53	-2	211	19	28
Hydrogen	--	--	--	--	--	42	--	42	--	0
Biofuels (including Fuel Ethanol)	--	33	--	20	152	11	-2	169	19	28
Fuel Ethanol	--	8	--	2	131	11	-2	145	8	0
Biofuels (excluding Fuel Ethanol) <sup>6</sup>	--	25	--	18	21	--	0	24	12	28
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	59	--	--	4	23	3	30
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	41	149	-44	8	135	4	0
Reformulated	--	0	--	8	59	8	1	74	0	0
Conventional	--	--	--	33	90	-52	7	61	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>2</b>	<b>2,651</b>	<b>147</b>	<b>70</b>	<b>33</b>	<b>19</b>	<b>--</b>	<b>257</b>	<b>2,627</b>
Finished Motor Gasoline	--	1	1,427	26	3	33	0	--	36	1,454
Reformulated	--	--	996	--	--	7	0	--	--	1,003
Conventional	--	1	431	26	3	26	0	--	36	452
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	0	383	83	8	--	11	--	19	443
Kerosene	--	--	0	--	--	--	0	--	0	1
Distillate Fuel Oil	--	0	468	21	44	--	1	--	65	468
15 ppm sulfur and under	--	0	440	16	44	--	-1	--	48	453
Greater than 15 ppm to 500 ppm sulfur	--	--	12	5	--	--	1	--	6	10
Greater than 500 ppm sulfur	--	--	16	0	--	--	1	--	10	5
Residual Fuel Oil	--	--	93	12	--	--	4	--	24	77
Less than 0.31 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	8	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	71	4	--	--	3	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	2
Lubricants	--	--	14	1	-2	--	-1	--	11	3
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	122	--	0	--	1	--	101	19
Marketable	--	--	93	--	0	--	1	--	101	-9
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	21	2	17	--	3	--	1	36
Still Gas	--	--	108	--	--	--	--	--	--	108
Miscellaneous Products	--	--	13	--	--	--	0	--	0	13
<b>Total</b>	<b>867</b>	<b>34</b>	<b>2,689</b>	<b>1,483</b>	<b>487</b>	<b>105</b>	<b>35</b>	<b>2,528</b>	<b>345</b>	<b>2,758</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for hydrogen, motor gasoline blending components, and fuel ethanol. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes biodiesel, renewable diesel fuel, renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, April 2022**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	1,949	44,991	253,354	24,887	23,667	348,849	11,628
Alaskan .....	--	--	--	--	--	--	--
Lower 48 States .....	--	--	--	--	--	--	--
Imports (PAD District of Entry) .....	17,021	81,286	37,049	10,939	35,475	181,770	6,059
Commercial .....	17,021	81,286	37,049	10,939	35,475	181,770	6,059
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	2,586	-15,928	30,951	-20,690	3,081	--	--
Adjustments <sup>1</sup> .....	1,034	635	20,781	-1,186	178	21,443	715
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	741	-1,598	-11,708	-2,506	1,602	-13,469	-449
Commercial .....	741	-1,598	6,487	-2,506	1,602	4,726	158
SPR .....	--	--	-18,195	--	--	-18,195	-607
Refinery Inputs .....	20,388	110,541	260,170	16,456	60,799	468,354	15,612
Exports .....	1,462	2,042	93,674	--	--	97,177	3,239
<b>Ending Stocks</b>							
Total .....	7,739	105,393	782,258	23,192	48,400	966,982	--
Commercial .....	7,739	105,393	234,392	23,192	48,400	419,116	--
Refinery .....	6,157	11,974	45,709	2,497	20,133	86,470	--
Tank Farms and Pipelines .....	1,582	93,419	188,683	20,695	23,066	327,445	--
Cushing, Oklahoma .....	--	29,082	--	--	--	29,082	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	5,201	5,201	--
SPR .....	--	--	547,866	--	--	547,866	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	56.7	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	32.2	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	--	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	17,021	81,286	37,049	10,939	35,475	181,770	6,059
PAD District of Processing .....	17,647	73,926	47,042	7,324	35,831	181,770	6,059

-- = Not Applicable.

-- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 26. Production of Crude Oil by PAD District and State, April 2022**  
(Thousand Barrels)

PAD District and State	April 2022		January-April 2022	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>1,949</b>	<b>65</b>	<b>7,795</b>	<b>65</b>
Florida .....	118	4	424	4
New York .....	12	0	48	0
Pennsylvania .....	417	14	1,722	14
Virginia .....	0	0	1	0
West Virginia .....	1,402	47	5,600	47
<b>PAD District 2</b> .....	<b>44,991</b>	<b>1,500</b>	<b>194,623</b>	<b>1,622</b>
Illinois .....	605	20	2,306	19
Indiana .....	131	4	529	4
Kansas .....	2,294	76	9,049	75
Kentucky .....	179	6	581	5
Michigan .....	328	11	1,406	12
Missouri .....	5	0	19	0
Nebraska .....	134	4	528	4
North Dakota .....	26,822	894	125,165	1,043
Ohio .....	1,841	61	6,168	51
Oklahoma .....	12,551	418	48,479	404
South Dakota .....	81	3	326	3
Tennessee .....	19	1	66	1
<b>PAD District 3</b> .....	<b>253,354</b>	<b>8,445</b>	<b>983,899</b>	<b>8,199</b>
Alabama .....	338	11	1,359	11
Arkansas .....	367	12	1,455	12
Louisiana .....	3,089	103	11,633	97
Mississippi .....	995	33	4,117	34
New Mexico .....	45,207	1,507	171,568	1,430
Texas .....	150,465	5,015	590,278	4,919
Federal Offshore PAD District 3 .....	52,894	1,763	203,489	1,696
<b>PAD District 4</b> .....	<b>24,887</b>	<b>830</b>	<b>98,889</b>	<b>824</b>
Colorado .....	12,630	421	50,771	423
Idaho .....	2	0	8	0
Montana .....	1,574	52	6,143	51
Utah .....	3,373	112	13,555	113
Wyoming .....	7,309	244	28,412	237
<b>PAD District 5</b> .....	<b>23,667</b>	<b>789</b>	<b>95,272</b>	<b>794</b>
Alaska .....	13,246	442	53,416	445
South Alaska .....	295	10	1,137	9
North Slope .....	12,950	432	52,279	436
Arizona .....	0	0	1	0
California .....	10,191	340	40,936	341
Nevada .....	20	1	75	1
Federal Offshore PAD District 5 .....	211	7	844	7
<b>U.S. Total</b> .....	<b>348,849</b>	<b>11,628</b>	<b>1,380,479</b>	<b>11,504</b>

— = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.



**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	12	18,797	18,809	4,714	10,258	16,656	31,628
Natural Gas Liquids .....	12	18,797	18,809	4,714	10,258	16,656	31,628
Ethane .....	—	7,598	7,598	1,694	3,481	7,210	12,385
Propane .....	4	6,527	6,531	1,945	3,487	5,117	10,549
Normal Butane .....	8	2,022	2,030	334	1,450	1,553	3,337
Isobutane .....	—	855	855	446	470	1,041	1,957
Natural Gasoline .....	—	1,795	1,795	295	1,370	1,735	3,400

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	86,462	4,766	5,303	398	10,242	107,171	16,346	2,344	176,298
Natural Gas Liquids .....	86,462	4,766	5,303	398	10,242	107,171	16,346	2,344	176,298
Ethane .....	39,162	2,484	2,092	84	4,160	47,982	5,409	1	73,375
Propane .....	25,612	1,252	1,751	122	3,198	31,935	5,622	282	54,919
Normal Butane .....	8,593	-3,291	608	47	1,080	7,037	2,212	593	15,209
Isobutane .....	4,643	3,976	330	46	645	9,640	960	386	13,798
Natural Gasoline .....	8,452	345	522	99	1,159	10,577	2,143	1,082	18,997

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	8	259	267	761	108	412	1,281
Natural Gas Liquids .....	8	259	267	761	108	412	1,281
Ethane .....	—	—	—	33	5	117	155
Propane .....	3	124	127	367	36	102	505
Normal Butane .....	5	55	60	141	16	71	228
Isobutane .....	—	9	9	72	6	61	139
Natural Gasoline .....	—	71	71	148	45	61	254

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	218	243	550	2	1	1,014	174	243	2,979
Natural Gas Liquids .....	218	243	550	2	1	1,014	174	243	2,979
Ethane .....	56	15	—	—	—	71	5	—	231
Propane .....	65	40	25	1	—	131	78	105	946
Normal Butane .....	15	27	68	—	—	110	27	92	517
Isobutane .....	46	11	135	—	—	192	18	21	379
Natural Gasoline .....	36	150	322	1	1	510	46	25	906

— = No Data Reported.  
 Note: Refer to Appendix A for Refining District descriptions.  
 Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."



**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>19,208</b>	<b>1,180</b>	<b>20,388</b>	<b>69,928</b>	<b>14,590</b>	<b>26,023</b>	<b>110,541</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,174</b>	<b>-</b>	<b>1,174</b>	<b>1,831</b>	<b>72</b>	<b>896</b>	<b>2,799</b>
Natural Gas Liquids .....	1,174	-	1,174	1,831	72	896	2,799
Normal Butane .....	762	-	762	156	33	114	303
Isobutane .....	147	-	147	1,233	37	472	1,742
Natural Gasoline .....	265	-	265	442	2	310	754
<b>Other Liquids</b> .....	<b>79,103</b>	<b>5,953</b>	<b>85,056</b>	<b>10,561</b>	<b>2,937</b>	<b>2,624</b>	<b>16,122</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	9,504	697	10,201	5,348	1,480	1,897	8,725
Hydrogen .....	120	-	120	593	276	191	1,060
Biofuels (including Fuel Ethanol) .....	9,384	697	10,081	4,738	1,204	1,706	7,648
Fuel Ethanol .....	9,059	631	9,690	4,592	1,030	1,609	7,231
Biodiesel .....	325	66	391	146	174	77	397
Renewable Diesel Fuel .....	-	-	-	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	20	20
Other Hydrocarbons .....	-	-	-	17	-	-	17
Unfinished Oils (net) .....	431	-209	222	-524	-43	-769	-1,336
Naphthas and Lighter .....	-160	-180	-340	299	17	-170	146
Kerosene and Light Gas Oils .....	95	-	95	-206	20	-277	-463
Heavy Gas Oils .....	288	-26	262	-138	-80	15	-203
Residuum .....	208	-3	205	-479	-	-337	-816
Motor Gasoline Blend.Comp. (MGBC)(net) .....	69,168	5,465	74,633	5,737	1,500	1,496	8,733
Reformulated - RBOB .....	15,721	-	15,721	-235	1,281	857	1,903
Conventional .....	53,447	5,465	58,912	5,972	219	639	6,830
CBOB .....	42,958	5,490	48,448	5,269	230	631	6,130
GTAB .....	2,864	-	2,864	-	-	-	-
Other .....	7,625	-25	7,600	703	-11	8	700
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>99,485</b>	<b>7,133</b>	<b>106,618</b>	<b>82,320</b>	<b>17,599</b>	<b>29,543</b>	<b>129,462</b>

See footnotes at end of table.

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>19,687</b>	<b>143,508</b>	<b>86,993</b>	<b>7,468</b>	<b>2,514</b>	<b>260,170</b>	<b>16,456</b>	<b>60,799</b>	<b>468,354</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>482</b>	<b>5,763</b>	<b>2,568</b>	<b>104</b>	<b>115</b>	<b>9,032</b>	<b>485</b>	<b>2,207</b>	<b>15,697</b>
Natural Gas Liquids .....	482	5,763	2,568	104	115	9,032	485	2,207	15,697
Normal Butane .....	191	1,253	211	45	—	1,700	180	609	3,554
Isobutane .....	258	2,357	1,491	54	115	4,275	159	612	6,935
Natural Gasoline .....	33	2,153	866	5	—	3,057	146	986	5,208
<b>Other Liquids</b> .....	<b>9,922</b>	<b>-42,999</b>	<b>-23,406</b>	<b>7,025</b>	<b>-145</b>	<b>-49,603</b>	<b>1,564</b>	<b>15,218</b>	<b>68,357</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	2,185	3,296	2,267	1,069	181	8,998	1,164	6,544	35,632
Hydrogen .....	77	2,345	1,427	61	36	3,946	210	1,339	6,675
Biofuels (including Fuel Ethanol) .....	2,108	951	840	1,008	145	5,052	954	5,205	28,940
Fuel Ethanol .....	2,060	880	505	978	135	4,558	876	4,463	26,818
Biodiesel .....	48	57	44	30	10	189	47	407	1,431
Renewable Diesel Fuel .....	—	—	21	—	—	21	—	334	355
Other Biofuels <sup>1</sup> .....	—	14	270	—	—	284	31	1	336
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	17
Unfinished Oils (net) .....	-391	-3,387	9,516	-63	-175	5,500	-585	3,634	7,435
Naphthas and Lighter .....	259	-6,522	-308	4	-95	-6,662	-241	123	-6,974
Kerosene and Light Gas Oils .....	-176	-1,538	-275	36	-52	-2,005	-79	65	-2,387
Heavy Gas Oils .....	-203	4,212	7,659	-21	-28	11,619	-255	2,307	13,730
Residuum .....	-271	461	2,440	-82	—	2,548	-10	1,139	3,066
Motor Gasoline Blend.Comp. (MGBC)(net) .....	8,119	-42,908	-35,191	6,019	-151	-64,112	985	5,040	25,279
Reformulated - RBOB .....	5,883	-7,735	-6,427	11	-438	-8,706	—	2,089	11,007
Conventional .....	2,236	-35,173	-28,764	6,008	287	-55,406	985	2,951	14,272
CBOB .....	2,152	-32,227	-27,324	6,018	300	-51,081	853	1,837	6,187
GTAB .....	—	—	—	—	—	—	—	—	2,864
Other .....	84	-2,946	-1,440	-10	-13	-4,325	132	1,114	5,221
Aviation Gasoline Blend. Comp. (net) .....	9	—	2	—	—	11	—	—	11
<b>Total Input</b> .....	<b>30,091</b>	<b>106,272</b>	<b>66,155</b>	<b>14,597</b>	<b>2,484</b>	<b>219,599</b>	<b>18,505</b>	<b>78,224</b>	<b>552,408</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	739	15	754	3,898	407	957	5,262
Natural Gas Liquids .....	324	15	339	2,903	289	681	3,873
Ethane .....	—	—	—	—	—	—	—
Propane .....	373	4	377	1,571	265	509	2,345
Normal Butane .....	134	15	149	1,529	79	221	1,829
Isobutane .....	-183	-4	-187	-197	-55	-49	-301
Natural Gasoline .....	—	—	—	—	—	—	—
Refinery Olefins .....	415	—	415	995	118	276	1,389
Ethylene .....	21	—	21	—	—	—	—
Propylene .....	355	—	355	842	125	276	1,243
Normal Butylene .....	2	—	2	153	-7	—	146
Isobutylene .....	37	—	37	—	—	—	—
Finished Motor Gasoline .....	88,267	6,307	94,574	47,546	9,849	16,218	73,613
Reformulated .....	34,848	51	34,899	7,523	1,423	952	9,898
Reformulated Blended with Fuel Ethanol .....	34,848	51	34,899	7,523	1,419	952	9,894
Reformulated Other .....	—	—	—	—	4	—	4
Conventional .....	53,419	6,256	59,675	40,023	8,426	15,266	63,715
Conventional Blended with Fuel Ethanol .....	54,486	6,256	60,742	37,639	8,453	14,072	60,164
Ed55 and Lower .....	54,426	6,256	60,682	37,620	8,410	13,939	59,969
Greater than Ed55 .....	60	—	60	19	43	133	195
Conventional Other .....	-1,067	—	-1,067	2,384	-27	1,194	3,551
Finished Aviation Gasoline .....	—	—	—	—	30	—	30
Kerosene-Type Jet Fuel .....	3,089	—	3,089	5,862	793	1,101	7,756
Kerosene .....	15	-1	14	2	—	—	2
Distillate Fuel Oil .....	5,255	393	5,648	18,297	4,778	9,858	32,933
15 ppm sulfur and under .....	5,337	398	5,735	18,352	4,860	9,958	33,170
Greater than 15 ppm to 500 ppm sulfur .....	13	-15	-2	—	—	104	104
Greater than 500 ppm sulfur .....	-95	10	-85	-55	-82	-204	-341
Residual Fuel Oil .....	1,272	—	1,272	801	137	149	1,087
Less than 0.31 percent sulfur .....	8	—	8	83	—	—	83
0.31 to 1.00 percent sulfur .....	987	—	987	325	79	35	439
Greater than 1.00 percent sulfur .....	277	—	277	393	58	114	565
Petrochemical Feedstocks .....	—	—	—	777	—	20	797
Naphtha for Petro. Feed. Use .....	—	—	—	447	—	—	447
Other Oils for Petro. Feed. Use .....	—	—	—	330	—	20	350
Special Naphthas .....	—	10	10	-46	—	17	-29
Lubricants .....	161	175	336	—	—	107	107
Waxes .....	—	-13	-13	—	—	24	24
Petroleum Coke .....	626	4	630	3,400	828	927	5,155
Marketable .....	234	—	234	2,419	675	685	3,779
Catalyst .....	392	4	396	981	153	242	1,376
Asphalt and Road Oil .....	354	161	515	3,166	1,175	280	4,621
Still Gas .....	783	17	800	2,554	588	1,059	4,201
Miscellaneous Products .....	40	21	61	294	105	53	452
<b>Total .....</b>	<b>100,601</b>	<b>7,089</b>	<b>107,690</b>	<b>86,551</b>	<b>18,690</b>	<b>30,770</b>	<b>136,011</b>
Processing Gain(-) or Loss(+)¹ .....	-1,116	44	-1,072	-4,231	-1,091	-1,227	-6,549

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	853	9,251	5,709	74	47	15,934	408	1,933	24,291
Natural Gas Liquids .....	510	5,355	3,116	62	47	9,090	287	1,830	15,419
Ethane .....	7	122	33	—	—	162	—	—	162
Propane .....	296	2,515	2,123	19	25	4,978	189	1,066	8,955
Normal Butane .....	214	3,033	845	43	22	4,157	96	747	6,978
Isobutane .....	-7	-315	115	—	—	-207	2	17	-676
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	343	3,896	2,593	12	—	6,844	121	103	8,872
Ethylene .....	—	7	—	—	—	7	—	—	28
Propylene .....	347	3,827	2,601	12	—	6,787	39	112	8,536
Normal Butylene .....	-4	89	-8	—	—	77	82	-9	298
Isobutylene .....	—	-27	—	—	—	-27	—	—	10
Finished Motor Gasoline .....	20,617	23,118	10,039	9,199	1,353	64,326	10,079	43,859	286,451
Reformulated .....	7,287	6,639	—	—	—	13,926	—	30,433	89,156
Reformulated Blended with Fuel Ethanol .....	7,286	6,638	—	—	—	13,924	—	30,433	89,150
Reformulated Other .....	1	1	—	—	—	2	—	—	6
Conventional .....	13,330	16,479	10,039	9,199	1,353	50,400	10,079	13,426	197,295
Conventional Blended with Fuel Ethanol .....	13,115	2,009	5,058	9,660	1,365	31,207	8,544	13,831	174,488
Ed55 and Lower .....	13,101	2,009	5,058	9,642	1,364	31,174	8,521	13,826	174,172
Greater than Ed55 .....	14	—	—	18	1	33	23	5	316
Conventional Other .....	215	14,470	4,981	-461	-12	19,193	1,535	-405	22,807
Finished Aviation Gasoline .....	67	125	81	—	—	273	3	-1	305
Kerosene-Type Jet Fuel .....	1,408	14,773	10,471	164	0	26,816	1,003	12,320	50,984
Kerosene .....	6	-20	-1	2	—	-13	—	8	11
Distillate Fuel Oil .....	6,074	44,645	32,734	2,690	922	87,065	5,510	13,941	145,097
15 ppm sulfur and under .....	6,059	43,289	28,437	2,564	922	81,271	5,401	13,030	138,607
Greater than 15 ppm to 500 ppm sulfur .....	15	268	2,381	98	—	2,762	93	377	3,334
Greater than 500 ppm sulfur .....	—	1,088	1,916	28	—	3,032	16	534	3,156
Residual Fuel Oil .....	267	956	539	1	46	1,809	306	2,327	6,801
Less than 0.31 percent sulfur .....	237	—	713	—	—	950	152	46	1,239
0.31 to 1.00 percent sulfur .....	-3	951	447	1	—	1,396	41	694	3,557
Greater than 1.00 percent sulfur .....	33	5	-621	—	46	-537	113	1,587	2,005
Petrochemical Feedstocks .....	140	4,448	1,905	—	—	6,493	—	—	7,290
Naphtha for Petro. Feed. Use .....	129	2,655	806	—	—	3,590	—	—	4,037
Other Oils for Petro. Feed. Use .....	11	1,793	1,099	—	—	2,903	—	—	3,253
Special Naphthas .....	53	716	—	210	—	979	—	31	991
Lubricants .....	24	1,597	1,870	806	—	4,297	—	150	4,890
Waxes .....	—	48	77	16	—	141	—	—	152
Petroleum Coke .....	342	8,373	5,257	157	19	14,148	553	3,929	24,415
Marketable .....	134	6,433	4,187	141	—	10,895	370	3,002	18,280
Catalyst .....	208	1,940	1,070	16	19	3,253	183	927	6,135
Asphalt and Road Oil .....	263	444	466	1,280	66	2,519	795	869	9,319
Still Gas .....	675	6,471	3,413	260	57	10,876	610	3,300	19,787
Miscellaneous Products .....	129	962	460	16	44	1,611	114	390	2,628
<b>Total .....</b>	<b>30,918</b>	<b>115,907</b>	<b>73,020</b>	<b>14,875</b>	<b>2,554</b>	<b>237,274</b>	<b>19,381</b>	<b>83,056</b>	<b>583,412</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-827	-9,635	-6,865	-278	-70	-17,675	-876	-4,832	-31,004

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	19,208	1,180	20,388	69,928	14,590	26,023	110,541
<b>Hydrocarbon Gas Liquids</b> .....	209	—	209	1,675	37	752	2,464
Natural Gas Liquids .....	209	—	209	1,675	37	752	2,464
Normal Butane .....	62	—	62	—	—	—	—
Isobutane .....	147	—	147	1,233	37	472	1,742
Natural Gasoline .....	—	—	—	442	—	280	722
<b>Other Liquids</b> .....	-7,762	112	-7,650	-32,363	-5,038	-10,764	-48,165
Hydrogen/Biofuels/Other Hydrocarbons .....	197	65	262	808	499	381	1,688
Hydrogen .....	120	—	120	593	276	191	1,060
Biofuels (including Fuel Ethanol) .....	77	65	142	198	223	190	611
Fuel Ethanol .....	77	51	128	160	169	146	475
Biodiesel .....	—	14	14	38	54	24	116
Renewable Diesel Fuel .....	—	—	—	—	—	—	—
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	20	20
Other Hydrocarbons .....	—	—	—	17	—	—	17
Unfinished Oils (net) .....	431	-209	222	-526	-43	-769	-1,338
Naphthas and Lighter .....	-160	-180	-340	299	17	-170	146
Kerosene and Light Gas Oils .....	95	—	95	-206	20	-277	-463
Heavy Gas Oils .....	288	-26	262	-140	-80	15	-205
Residuum .....	208	-3	205	-479	—	-337	-816
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-8,390	256	-8,134	-32,645	-5,494	-10,376	-48,515
Reformulated - RBOB .....	-6,010	—	-6,010	-6,627	—	—	-6,627
Conventional .....	-2,380	256	-2,124	-26,018	-5,494	-10,376	-41,888
CBOB .....	-2,303	281	-2,022	-26,622	-5,483	-10,384	-42,489
GTAB .....	—	—	—	—	—	—	—
Other .....	-77	-25	-102	604	-11	8	601
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input to Refineries</b> .....	11,655	1,292	12,947	39,240	9,589	16,011	64,840
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	652	39	691	2,311	504	868	3,683
Operable Capacity (daily average) .....	720	98	818	2,721	548	928	4,197
Operable Utilization Rate (percent) <sup>2</sup> .....	91	40	84	85	92	94	88
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	60	4	64	427	70	144	641
Catalytic Cracking .....	242.0	4.0	246.0	683.0	130.0	204.0	1016.0
Catalytic Hydrocracking .....	31	—	31	156	65	46	267
Delayed and Fluid Coking .....	35	—	35	292	61	85	438
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	1	1	1	2	2	1	1
API Gravity, Weighted Average (degrees) .....	35	37	35	34	28	39	34
<b>Operable Capacity (daily average)</b> .....	720.00	98.00	818.00	2721.00	548.00	928.00	4197.00
Operating .....	720.00	98.00	818.00	2661.00	510.00	928.00	4099.00
Idle .....	—	—	—	60	38	—	98
<b>Alaskan Crude Oil Receipts</b> .....	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>19,687</b>	<b>143,508</b>	<b>86,993</b>	<b>7,468</b>	<b>2,514</b>	<b>260,170</b>	<b>16,456</b>	<b>60,799</b>	<b>468,354</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>384</b>	<b>4,192</b>	<b>2,561</b>	<b>59</b>	<b>115</b>	<b>7,311</b>	<b>416</b>	<b>2,126</b>	<b>12,526</b>
Natural Gas Liquids .....	384	4,192	2,561	59	115	7,311	416	2,126	12,526
Normal Butane .....	98	1,003	204	—	—	1,305	118	528	2,013
Isobutane .....	258	2,357	1,491	54	115	4,275	158	612	6,934
Natural Gasoline .....	28	832	866	5	—	1,731	140	986	3,579
<b>Other Liquids</b> .....	<b>-8,178</b>	<b>-52,594</b>	<b>-26,484</b>	<b>-1,584</b>	<b>-1,405</b>	<b>-90,245</b>	<b>-3,852</b>	<b>-26,481</b>	<b>-176,393</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	304	2,396	1,961	119	43	4,823	543	1,720	9,036
Hydrogen .....	77	2,345	1,427	61	36	3,946	210	1,339	6,675
Biofuels (including Fuel Ethanol) .....	227	51	534	58	7	877	333	381	2,344
Fuel Ethanol .....	206	48	199	44	5	502	275	126	1,506
Biodiesel .....	21	3	44	14	2	84	27	17	258
Renewable Diesel Fuel .....	—	—	21	—	—	21	—	237	258
Other Biofuels <sup>1</sup> .....	—	—	270	—	—	270	31	1	322
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	17
Unfinished Oils (net) .....	-391	-3,387	9,516	-63	-175	5,500	-585	3,634	7,433
Naphthas and Lighter .....	259	-6,522	-308	4	-95	-6,662	-241	123	-6,974
Kerosene and Light Gas Oils .....	-176	-1,538	-275	36	-52	-2,005	-79	65	-2,387
Heavy Gas Oils .....	-203	4,212	7,659	-21	-28	11,619	-255	2,307	13,728
Residuum .....	-271	461	2,440	-82	—	2,548	-10	1,139	3,066
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-8,100	-51,603	-37,963	-1,640	-1,273	-100,579	-3,810	-31,835	-192,873
Reformulated - RBOB .....	-699	-14,107	-6,427	—	-438	-21,671	—	-24,513	-58,821
Conventional .....	-7,401	-37,496	-31,536	-1,640	-835	-78,908	-3,810	-7,322	-134,052
CBOB .....	-7,485	-29,538	-29,524	-1,630	-798	-68,975	-3,941	-8,072	-125,499
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	84	-7,958	-2,012	-10	-37	-9,933	131	750	-8,553
Aviation Gasoline Blend. Comp. (net) .....	9	—	2	—	—	11	—	—	11
<b>Total Input to Refineries</b> .....	<b>11,893</b>	<b>95,106</b>	<b>63,070</b>	<b>5,943</b>	<b>1,224</b>	<b>177,236</b>	<b>13,020</b>	<b>36,444</b>	<b>304,487</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	660	4,854	3,124	221	84	8,942	548	2,218	16,083
Operable Capacity (daily average) .....	746	5,203	3,288	260	110	9,607	663	2,659	17,944
Operable Utilization Rate (percent) <sup>2</sup> .....	88	93	95	85	76	93	83	83	90
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	145	691	479	37	16	1,368	89	352	2,513
Catalytic Cracking .....	156.0	1337.0	881.0	18.0	22.0	2412.0	140.0	660.0	4474.0
Catalytic Hydrocracking .....	23	581	392	18	8	1,022	28	438	1,785
Delayed and Fluid Coking .....	19	766	511	33	—	1,329	44	384	2,230
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	1	1	1	1	1	1	1	1	1
API Gravity, Weighted Average (degrees) .....	40	34	32	32	39	34	33	29	33
<b>Operable Capacity (daily average)</b> .....	<b>746.00</b>	<b>5203.00</b>	<b>3288.00</b>	<b>260.00</b>	<b>110.00</b>	<b>9607.00</b>	<b>663.00</b>	<b>2659.00</b>	<b>17944.00</b>
Operating .....	746.00	5158.00	3163.00	260.00	110.00	9437.00	592.00	2644.00	17589.00
Idle .....	—	45	125	—	—	170	71	16	355
<b>Alaskan Crude Oil Receipts</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>11,644</b>	<b>11,644</b>

— = Not Applicable.

— = No Data Reported.

NA = Not Available.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>2</sup> Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	739	15	754	3,898	407	957	5,262
Natural Gas Liquids .....	324	15	339	2,903	289	681	3,873
Ethane .....	-	-	-	-	-	-	-
Propane .....	373	4	377	1,571	265	509	2,345
Normal Butane .....	134	15	149	1,529	79	221	1,829
Isobutane .....	-183	-4	-187	-197	-55	-49	-301
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	415	-	415	995	118	276	1,389
Ethylene .....	21	-	21	-	-	-	-
Propylene .....	355	-	355	842	125	276	1,243
Normal Butylene .....	2	-	2	153	-7	-	146
Isobutylene .....	37	-	37	-	-	-	-
Finished Motor Gasoline .....	769	519	1,288	4,538	1,959	2,741	9,238
Reformulated .....	769	-	769	-	-	1	1
Reformulated Blended with Fuel Ethanol .....	769	-	769	-	-	1	1
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	519	519	4,538	1,959	2,740	9,237
Conventional Blended with Fuel Ethanol .....	-	519	519	1,634	1,607	1,491	4,732
Ed55 and Lower .....	-	519	519	1,634	1,607	1,491	4,732
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	-	-	2,904	352	1,249	4,505
Finished Aviation Gasoline .....	-	-	-	-	30	-	30
Kerosene-Type Jet Fuel .....	3,090	-	3,090	5,888	793	1,101	7,782
Kerosene .....	43	-	43	2	-	-	2
Distillate Fuel Oil .....	4,906	339	5,245	18,204	4,658	9,806	32,668
15 ppm sulfur and under .....	4,985	344	5,329	18,259	4,740	9,906	32,905
Greater than 15 ppm to 500 ppm sulfur .....	12	-15	-3	-	-	-20	-20
Greater than 500 ppm sulfur .....	-91	10	-81	-55	-82	-80	-217
Residual Fuel Oil .....	1,260	-	1,260	801	137	149	1,087
Less than 0.31 percent sulfur .....	-	-	-	83	-	-	83
0.31 to 1.00 percent sulfur .....	983	-	983	325	79	35	439
Greater than 1.00 percent sulfur .....	277	-	277	393	58	114	565
Petrochemical Feedstocks .....	-	-	-	777	-	20	797
Naphtha for Petro. Feed. Use .....	-	-	-	447	-	-	447
Other Oils for Petro. Feed. Use .....	-	-	-	330	-	20	350
Special Naphthas .....	-	10	10	-46	-	17	-29
Lubricants .....	161	175	336	-	-	107	107
Waxes .....	-	-13	-13	-	-	24	24
Petroleum Coke .....	626	4	630	3,400	828	927	5,155
Marketable .....	234	-	234	2,419	675	685	3,779
Catalyst .....	392	4	396	981	153	242	1,376
Asphalt and Road Oil .....	354	161	515	3,164	1,175	279	4,618
Still Gas .....	783	17	800	2,554	588	1,059	4,201
Miscellaneous Products .....	40	21	61	294	105	53	452
<b>Total .....</b>	<b>12,771</b>	<b>1,248</b>	<b>14,019</b>	<b>43,474</b>	<b>10,680</b>	<b>17,240</b>	<b>71,394</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,116	44	-1,072	-4,234	-1,091	-1,229	-6,554

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	853	9,251	5,709	74	47	15,934	408	1,933	24,291
Natural Gas Liquids .....	510	5,355	3,116	62	47	9,090	287	1,830	15,419
Ethane .....	7	122	33	—	—	162	—	—	162
Propane .....	296	2,515	2,123	19	25	4,978	189	1,066	8,955
Normal Butane .....	214	3,033	845	43	22	4,157	96	747	6,978
Isobutane .....	-7	-315	115	—	—	-207	2	17	-676
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	343	3,896	2,593	12	—	6,844	121	103	8,872
Ethylene .....	—	7	—	—	—	7	—	—	28
Propylene .....	347	3,827	2,601	12	—	6,787	39	112	8,536
Normal Butylene .....	-4	89	-8	—	—	77	82	-9	298
Isobutylene .....	—	-27	—	—	—	-27	—	—	10
Finished Motor Gasoline .....	2,445	12,003	6,953	556	100	22,057	4,615	2,559	39,757
Reformulated .....	—	—	—	—	—	—	—	576	1,346
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	576	1,346
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	2,445	12,003	6,953	556	100	22,057	4,615	1,983	38,411
Conventional Blended with Fuel Ethanol .....	2,059	467	1,997	446	60	5,029	2,779	701	13,760
Ed55 and Lower .....	2,059	467	1,997	446	60	5,029	2,779	701	13,760
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	386	11,536	4,956	110	40	17,028	1,836	1,282	24,651
Finished Aviation Gasoline .....	67	125	81	—	—	273	3	-1	305
Kerosene-Type Jet Fuel .....	1,408	14,753	10,460	164	—	26,785	955	12,327	50,939
Kerosene .....	6	—	-2	2	—	6	—	2	53
Distillate Fuel Oil .....	6,047	44,592	32,746	2,673	914	86,972	5,539	13,454	143,878
15 ppm sulfur and under .....	6,032	43,236	28,449	2,547	914	81,178	5,430	12,549	137,391
Greater than 15 ppm to 500 ppm sulfur .....	15	268	2,381	98	—	2,762	93	377	3,209
Greater than 500 ppm sulfur .....	—	1,088	1,916	28	—	3,032	16	528	3,278
Residual Fuel Oil .....	267	956	539	1	46	1,809	306	2,327	6,789
Less than 0.31 percent sulfur .....	237	—	713	—	—	950	152	55	1,240
0.31 to 1.00 percent sulfur .....	-3	951	447	1	—	1,396	41	694	3,553
Greater than 1.00 percent sulfur .....	33	5	-621	—	46	-537	113	1,578	1,996
Petrochemical Feedstocks .....	140	4,448	1,905	—	—	6,493	—	—	7,290
Naphtha for Petro. Feed. Use .....	129	2,655	806	—	—	3,590	—	—	4,037
Other Oils for Petro. Feed. Use .....	11	1,793	1,099	—	—	2,903	—	—	3,253
Special Naphthas .....	53	716	—	210	—	979	—	31	991
Lubricants .....	24	1,597	1,870	806	—	4,297	—	150	4,890
Waxes .....	—	48	77	16	—	141	—	—	152
Petroleum Coke .....	342	8,373	5,257	157	19	14,148	553	3,929	24,415
Marketable .....	134	6,433	4,187	141	—	10,895	370	3,002	18,280
Catalyst .....	208	1,940	1,070	16	19	3,253	183	927	6,135
Asphalt and Road Oil .....	263	444	466	1,280	66	2,519	795	869	9,316
Still Gas .....	675	6,471	3,413	260	57	10,876	610	3,300	19,787
Miscellaneous Products .....	129	962	460	16	44	1,611	114	390	2,628
<b>Total .....</b>	<b>12,719</b>	<b>104,739</b>	<b>69,934</b>	<b>6,215</b>	<b>1,293</b>	<b>194,900</b>	<b>13,898</b>	<b>41,270</b>	<b>335,481</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-826	-9,633	-6,864	-272	-69	-17,664	-878	-4,826	-30,994

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."



**Table 32. Blender Net Inputs of Petroleum Products by PAD District, April 2022**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	<b>965</b>	—	<b>965</b>	<b>156</b>	<b>35</b>	<b>144</b>	<b>335</b>
Natural Gas Liquids .....	965	—	965	156	35	144	335
Normal Butane .....	700	—	700	156	33	114	303
Isobutane .....	—	—	—	—	—	—	—
Natural Gasoline .....	265	—	265	—	2	30	32
<b>Other Liquids</b> .....	<b>86,865</b>	<b>5,841</b>	<b>92,706</b>	<b>42,924</b>	<b>7,975</b>	<b>13,388</b>	<b>64,287</b>
Oxygenates/Renewables .....	9,307	632	9,939	4,540	981	1,516	7,037
Biofuels (including Fuel Ethanol) .....	9,307	632	9,939	4,540	981	1,516	7,037
Fuel Ethanol .....	8,982	580	9,562	4,432	861	1,463	6,756
Biodiesel .....	325	52	377	108	120	53	281
Renewable Diesel Fuel .....	—	—	—	—	—	—	—
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	—	—
Unfinished Oils (net) .....	—	—	—	2	—	—	2
Naphthas and Lighter .....	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	—	—	—	—	—
Heavy Gas Oils .....	—	—	—	2	—	—	2
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net) .....	77,558	5,209	82,767	38,382	6,994	11,872	57,248
Reformulated - RBOB .....	21,731	—	21,731	6,392	1,281	857	8,530
Conventional .....	55,827	5,209	61,036	31,990	5,713	11,015	48,718
CBOB .....	45,261	5,209	50,470	31,891	5,713	11,015	48,619
GTAB .....	2,864	—	2,864	—	—	—	—
Other .....	7,702	—	7,702	99	—	—	99
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>87,830</b>	<b>5,841</b>	<b>93,671</b>	<b>43,080</b>	<b>8,010</b>	<b>13,532</b>	<b>64,622</b>

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	<b>98</b>	<b>1,571</b>	<b>7</b>	<b>45</b>	—	<b>1,721</b>	<b>69</b>	<b>81</b>	<b>3,171</b>
Natural Gas Liquids .....	98	1,571	7	45	—	1,721	69	81	3,171
Normal Butane .....	93	250	7	45	—	395	62	81	1,541
Isobutane .....	—	—	—	—	—	—	1	—	1
Natural Gasoline .....	5	1,321	—	—	—	1,326	6	—	1,629
<b>Other Liquids</b> .....	<b>18,100</b>	<b>9,595</b>	<b>3,078</b>	<b>8,609</b>	<b>1,260</b>	<b>40,642</b>	<b>5,416</b>	<b>41,699</b>	<b>244,750</b>
Oxygenates/Renewables .....	1,881	900	306	950	138	4,175	621	4,824	26,596
Biofuels (including Fuel Ethanol) .....	1,881	900	306	950	138	4,175	621	4,824	26,596
Fuel Ethanol .....	1,854	832	306	934	130	4,056	601	4,337	25,312
Biodiesel .....	27	54	—	16	8	105	20	390	1,173
Renewable Diesel Fuel .....	—	—	—	—	—	—	—	97	97
Other Biofuels <sup>1</sup> .....	—	14	—	—	—	14	—	—	14
Unfinished Oils (net) .....	—	—	—	—	—	—	—	—	2
Naphthas and Lighter .....	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	—	—	—	—	—	—	—
Heavy Gas Oils .....	—	—	—	—	—	—	—	—	2
Residuum .....	—	—	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)(net) .....	16,219	8,695	2,772	7,659	1,122	36,467	4,795	36,875	218,152
Reformulated - RBOB .....	6,582	6,372	—	11	—	12,965	—	26,602	69,828
Conventional .....	9,637	2,323	2,772	7,648	1,122	23,502	4,795	10,273	148,324
CBOB .....	9,637	-2,689	2,200	7,648	1,098	17,894	4,794	9,909	131,686
GTAB .....	—	—	—	—	—	—	—	—	2,864
Other .....	—	5,012	572	—	24	5,608	1	364	13,774
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>18,198</b>	<b>11,166</b>	<b>3,085</b>	<b>8,654</b>	<b>1,260</b>	<b>42,363</b>	<b>5,485</b>	<b>41,780</b>	<b>247,921</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, April 2022**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline .....	87,498	5,788	93,286	43,008	7,890	13,477	64,375
Reformulated .....	34,079	51	34,130	7,523	1,423	951	9,897
Reformulated Blended with Fuel Ethanol .....	34,079	51	34,130	7,523	1,419	951	9,893
Reformulated Other .....	-	-	-	-	4	-	4
Conventional .....	53,419	5,737	59,156	35,485	6,467	12,526	54,478
Conventional Blended with Fuel Ethanol .....	54,486	5,737	60,223	36,005	6,846	12,581	55,432
Ed55 and Lower .....	54,426	5,737	60,163	35,986	6,803	12,448	55,237
Greater than Ed55 .....	60	-	60	19	43	133	195
Conventional Other .....	-1,067	-	-1,067	-520	-379	-55	-954
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	-1	-	-1	-26	-	0	-26
Kerosene .....	-28	-1	-29	-	-	-	-
Distillate Fuel Oil .....	349	54	403	93	120	52	265
15 ppm sulfur and under .....	352	54	406	93	120	52	265
Greater than 15 ppm to 500 ppm sulfur .....	1	-	1	-	-	124	124
Greater than 500 ppm sulfur .....	-4	-	-4	-	-	-124	-124
Residual Fuel Oil .....	12	-	12	-	-	-	-
Less than 0.31 percent sulfur .....	8	-	8	-	-	-	-
0.31 to 1.00 percent sulfur .....	4	-	4	-	-	-	-
Greater than 1.00 percent sulfur .....	-	-	-	-	-	-	-
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	2	-	1	3
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>87,830</b>	<b>5,841</b>	<b>93,671</b>	<b>43,077</b>	<b>8,010</b>	<b>13,530</b>	<b>64,617</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	0	0	0	3	0	2	5

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline .....	18,172	11,115	3,086	8,643	1,253	42,269	5,464	41,300	246,694
Reformulated .....	7,287	6,639	-	-	-	13,926	-	29,857	87,810
Reformulated Blended with Fuel Ethanol .....	7,286	6,638	-	-	-	13,924	-	29,857	87,804
Reformulated Other .....	1	1	-	-	-	2	-	-	6
Conventional .....	10,885	4,476	3,086	8,643	1,253	28,343	5,464	11,443	158,884
Conventional Blended with Fuel Ethanol .....	11,056	1,542	3,061	9,214	1,305	26,178	5,765	13,130	160,728
Ed55 and Lower .....	11,042	1,542	3,061	9,196	1,304	26,145	5,742	13,125	160,412
Greater than Ed55 .....	14	-	-	18	1	33	23	5	316
Conventional Other .....	-171	2,934	25	-571	-52	2,165	-301	-1,687	-1,844
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	20	11	-	0	31	48	-7	45
Kerosene .....	-	-20	1	-	-	-19	-	6	-42
Distillate Fuel Oil .....	27	53	-12	17	8	93	-29	487	1,219
15 ppm sulfur and under .....	27	53	-12	17	8	93	-29	481	1,216
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-	-	-	125
Greater than 500 ppm sulfur .....	-	-	-	-	-	-	-	6	-122
Residual Fuel Oil .....	-	-	-	-	-	-	-	0	12
Less than 0.31 percent sulfur .....	-	-	-	-	-	-	-	-9	-1
0.31 to 1.00 percent sulfur .....	-	-	-	-	-	-	-	-	4
Greater than 1.00 percent sulfur .....	-	-	-	-	-	-	-	9	9
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	-	-	-	-	-	3
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>18,199</b>	<b>11,168</b>	<b>3,086</b>	<b>8,660</b>	<b>1,261</b>	<b>42,374</b>	<b>5,483</b>	<b>41,786</b>	<b>247,931</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1	-2	-1	-6	-1	-11	2	-6	-10

<sup>-</sup> = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b>	<b>5,434</b>	<b>723</b>	<b>6,157</b>	<b>8,093</b>	<b>1,796</b>	<b>2,085</b>	<b>11,974</b>
<b>Petroleum Products</b>	<b>10,017</b>	<b>2,068</b>	<b>12,085</b>	<b>28,094</b>	<b>7,663</b>	<b>10,673</b>	<b>46,430</b>
Hydrocarbon Gas Liquids	500	50	550	1,843	264	800	2,907
Natural Gas Liquids	324	50	374	1,560	231	792	2,583
Ethane	—	—	—	—	—	—	—
Propane	84	5	89	363	39	198	600
Normal Butane	183	34	217	839	150	161	1,150
Isobutane	57	11	68	253	42	191	486
Natural Gasoline	—	—	—	105	—	242	347
Refinery Olefins	176	0	176	283	33	8	324
Ethylene	—	—	—	—	—	—	—
Propylene	114	0	114	250	18	8	276
Normal Butylene	50	0	50	33	15	0	48
Isobutylene	12	0	12	0	0	0	0
Biofuels/Other Hydrocarbons	107	105	212	41	63	25	129
Biofuels (including Fuel Ethanol)	107	105	212	30	63	25	118
Fuel Ethanol	107	97	204	25	50	24	99
Biodiesel	—	8	8	5	13	1	19
Renewable Diesel Fuel	—	—	—	—	—	—	—
Other Biofuels <sup>1</sup>	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	11	—	—	11
Unfinished Oils	3,808	466	4,274	8,160	732	4,691	13,583
Naphthas and Lighter	834	279	1,113	1,906	161	1,468	3,535
Kerosene and Light Gas Oils	586	—	586	1,546	274	595	2,415
Heavy Gas Oils	1,531	181	1,712	3,329	297	1,444	5,070
Residuum	857	6	863	1,379	—	1,184	2,563
Motor Gasoline Blending Components (MGBC)	2,773	166	2,939	7,877	1,606	2,567	12,050
Reformulated - RBOB	680	—	680	891	—	—	891
Conventional	2,093	166	2,259	6,986	1,606	2,567	11,159
CBOB	260	112	372	3,108	921	1,668	5,697
GTAB	—	—	—	—	—	—	—
Other	1,833	54	1,887	3,878	685	899	5,462
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	27	27	415	101	209	725
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	27	27	415	101	209	725
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	27	27	415	101	209	725
Finished Aviation Gasoline	—	—	—	—	65	—	65
Kerosene-Type Jet Fuel	428	—	428	1,421	283	242	1,946
Kerosene	149	2	151	67	—	13	80
Distillate Fuel Oil	1,154	268	1,422	3,465	814	1,538	5,817
15 ppm sulfur and under	903	187	1,090	3,370	794	1,382	5,546
Greater than 15 ppm to 500 ppm sulfur	88	52	140	—	—	91	91
Greater than 500 ppm sulfur	163	29	192	95	20	65	180
Residual Fuel Oil	320	18	338	624	233	88	945
Less than 0.31 percent sulfur	—	17	17	48	—	—	48
0.31 to 1.00 percent sulfur	83	1	84	128	53	28	209
Greater than 1.00 percent sulfur	237	—	237	448	180	60	688
Petrochemical Feedstocks	—	—	—	498	—	—	498
Naphtha for Petro. Feed. Use	—	—	—	397	—	—	397
Other Oils for Petro. Feed. Use	—	—	—	101	—	—	101
Special Naphthas	—	21	21	70	—	14	84
Lubricants	599	234	833	—	—	95	95
Waxes	—	200	200	—	—	28	28
Petroleum Coke	—	—	—	788	1,715	229	2,732
Marketable	—	—	—	788	1,715	229	2,732
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	171	463	634	2,756	1,766	127	4,649
Miscellaneous Products	8	48	56	69	21	7	97
<b>Total Stocks, All Oils</b>	<b>15,451</b>	<b>2,791</b>	<b>18,242</b>	<b>36,187</b>	<b>9,459</b>	<b>12,758</b>	<b>58,404</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>2,078</b>	<b>27,446</b>	<b>14,717</b>	<b>1,176</b>	<b>292</b>	<b>45,709</b>	<b>2,497</b>	<b>20,133</b>	<b>86,470</b>
<b>Petroleum Products</b>	<b>10,069</b>	<b>60,138</b>	<b>39,848</b>	<b>3,898</b>	<b>1,289</b>	<b>115,242</b>	<b>10,498</b>	<b>46,819</b>	<b>231,074</b>
Hydrocarbon Gas Liquids	2,631	1,565	1,412	10	48	5,666	507	1,436	11,066
Natural Gas Liquids	2,162	1,420	1,104	10	48	4,744	330	1,413	9,444
Ethane	17	—	—	—	—	17	—	—	17
Propane	456	353	66	2	3	880	54	105	1,728
Normal Butane	1,081	801	510	4	43	2,439	140	908	4,854
Isobutane	602	208	299	4	2	1,115	114	398	2,181
Natural Gasoline	6	58	229	—	—	293	22	2	664
Refinery Olefins	469	145	308	0	0	922	177	23	1,622
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	461	55	72	0	0	588	2	11	991
Normal Butylene	8	90	225	0	0	323	175	12	608
Isobutylene	0	0	11	0	0	11	0	0	23
Biofuels/Other Hydrocarbons	47	613	149	63	6	878	144	912	2,275
Biofuels (including Fuel Ethanol)	47	613	149	63	6	878	144	912	2,264
Fuel Ethanol	37	590	70	39	4	740	137	128	1,308
Biodiesel	10	23	79	24	2	138	7	3	175
Renewable Diesel Fuel	—	—	—	—	—	—	—	781	781
Other Biofuels <sup>1</sup>	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	11
Unfinished Oils	2,860	22,328	12,674	1,005	647	39,514	3,119	17,337	77,827
Naphthas and Lighter	911	6,344	1,749	246	256	9,506	797	2,662	17,613
Kerosene and Light Gas Oils	530	3,765	1,876	186	150	6,507	503	3,329	13,340
Heavy Gas Oils	761	10,333	6,748	521	241	18,604	1,494	8,476	35,356
Residuum	658	1,886	2,301	52	—	4,897	325	2,870	11,518
Motor Gasoline Blending Components (MGBC)	2,306	13,671	10,834	266	275	27,352	3,186	12,985	58,512
Reformulated - RBOB	133	1,492	740	—	6	2,371	—	4,900	8,842
Conventional	2,173	12,179	10,094	266	269	24,981	3,186	8,085	49,670
CBOB	1,257	3,911	5,164	194	65	10,591	1,729	2,099	20,488
GTAB	—	—	—	—	—	—	—	—	—
Other	916	8,268	4,930	72	204	14,390	1,457	5,986	29,182
Aviation Gasoline Blending Components	14	—	9	—	—	23	—	—	23
Finished Motor Gasoline	140	1,938	1,194	48	—	3,320	779	589	5,440
Reformulated	—	—	—	—	—	—	—	25	25
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	25	25
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	140	1,938	1,194	48	—	3,320	779	564	5,415
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	58	—	58
Ed55 and Lower	—	—	—	—	—	—	58	—	58
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	140	1,938	1,194	48	—	3,320	721	564	5,357
Finished Aviation Gasoline	41	148	133	—	—	322	5	160	552
Kerosene-Type Jet Fuel	295	3,206	1,584	95	—	5,180	276	3,560	11,390
Kerosene	21	—	8	2	—	31	2	3	267
Distillate Fuel Oil	812	7,903	5,928	453	58	15,154	1,612	4,734	28,739
15 ppm sulfur and under	751	6,487	4,819	273	58	12,388	1,381	4,075	24,480
Greater than 15 ppm to 500 ppm sulfur	61	152	430	37	—	680	164	351	1,426
Greater than 500 ppm sulfur	—	1,264	679	143	—	2,086	67	308	2,833
Residual Fuel Oil	144	2,514	1,376	13	73	4,120	202	2,061	7,666
Less than 0.31 percent sulfur	16	—	59	—	—	75	12	32	184
0.31 to 1.00 percent sulfur	59	816	254	13	—	1,142	34	274	1,743
Greater than 1.00 percent sulfur	69	1,698	1,063	—	73	2,903	156	1,755	5,739
Petrochemical Feedstocks	112	1,427	465	4	—	2,008	—	2	2,508
Naphtha for Petro. Feed. Use	34	795	457	4	—	1,290	—	2	1,689
Other Oils for Petro. Feed. Use	78	632	8	—	—	718	—	—	819
Special Naphthas	70	600	—	105	—	775	—	16	896
Lubricants	48	1,918	2,164	858	—	4,988	—	609	6,525
Waxes	—	99	93	90	—	282	—	—	510
Petroleum Coke	14	1,809	1,189	—	—	3,012	60	1,483	7,287
Marketable	14	1,809	1,189	—	—	3,012	60	1,483	7,287
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	458	165	556	885	158	2,222	586	855	8,946
Miscellaneous Products	56	234	80	1	24	395	20	77	645
<b>Total Stocks, All Oils</b>	<b>12,147</b>	<b>87,584</b>	<b>54,565</b>	<b>5,074</b>	<b>1,581</b>	<b>160,951</b>	<b>12,995</b>	<b>66,952</b>	<b>317,544</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, April 2022

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	3.7	1.5	3.6	5.6	2.8	3.8	4.8
Finished Motor Gasoline <sup>1</sup> .....	44.9	21.8	43.8	50.5	48.9	48.0	49.7
Finished Aviation Gasoline <sup>2</sup> .....	—	—	—	—	0.2	—	0.0
Kerosene-Type Jet Fuel .....	15.6	—	14.9	8.4	5.4	4.3	7.1
Kerosene .....	0.2	—	0.2	0.0	—	—	0.0
Distillate Fuel Oil <sup>3</sup> .....	24.8	33.5	25.2	26.0	31.1	38.4	29.5
Residual Fuel Oil .....	6.4	—	6.1	1.1	0.9	0.6	1.0
Naphtha for Petro. Feed. Use .....	—	—	—	0.6	—	—	0.4
Other Oils for Petro. Feed. Use .....	—	—	—	0.5	—	0.1	0.3
Special Naphthas .....	—	1.0	0.1	-0.1	—	0.1	0.0
Lubricants .....	0.8	18.0	1.6	—	—	0.4	0.1
Waxes .....	—	-1.3	-0.1	—	—	0.1	0.0
Petroleum Coke .....	3.2	0.4	3.0	4.9	5.6	3.6	4.7
Asphalt and Road Oil .....	1.8	16.6	2.5	4.5	7.9	1.1	4.2
Still Gas .....	4.0	1.8	3.9	3.7	4.0	4.2	3.8
Miscellaneous Products .....	0.2	2.2	0.3	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-5.7	4.5	-5.2	-6.0	-7.4	-4.8	-5.9

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	4.4	6.5	5.8	1.0	2.0	5.9	2.5	2.9	5.0
Finished Motor Gasoline <sup>1</sup> .....	51.4	41.7	43.0	28.0	52.8	42.6	48.1	48.9	45.3
Finished Aviation Gasoline <sup>2</sup> .....	0.3	0.1	0.1	—	—	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel .....	7.3	10.4	10.7	2.2	—	9.9	5.9	18.7	10.6
Kerosene .....	0.0	—	0.0	0.0	—	0.0	—	0.0	0.0
Distillate Fuel Oil <sup>3</sup> .....	31.1	31.3	33.1	35.6	38.4	32.1	34.1	20.1	29.7
Residual Fuel Oil .....	1.4	0.7	0.6	0.0	1.9	0.7	1.9	3.5	1.4
Naphtha for Petro. Feed. Use .....	0.7	1.9	0.8	—	—	1.3	—	—	0.8
Other Oils for Petro. Feed. Use .....	0.1	1.3	1.1	—	—	1.1	—	—	0.7
Special Naphthas .....	0.3	0.5	—	2.8	—	0.4	—	0.1	0.2
Lubricants .....	0.1	1.1	1.9	10.8	—	1.6	—	0.2	1.0
Waxes .....	—	0.0	0.1	0.2	—	0.1	—	—	0.0
Petroleum Coke .....	1.8	5.9	5.4	2.1	0.8	5.3	3.4	6.0	5.1
Asphalt and Road Oil .....	1.4	0.3	0.5	17.1	2.8	0.9	4.9	1.3	1.9
Still Gas .....	3.5	4.5	3.5	3.5	2.4	4.0	3.8	5.0	4.1
Miscellaneous Products .....	0.7	0.7	0.5	0.2	1.9	0.6	0.7	0.6	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.3	-6.8	-7.0	-3.7	-3.0	-6.6	-5.5	-7.4	-6.4

— = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>3</sup> Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

<sup>4</sup> Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

**Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, April 2022**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil		
	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>PAD District 1</b> .....	<b>464</b>	<b>861</b>	<b>1,325</b>
Connecticut .....	—	—	—
Delaware .....	—	—	—
Florida .....	—	301	301
Georgia .....	—	—	—
Maine .....	—	—	—
Maryland .....	—	—	—
Massachusetts .....	—	—	—
New Hampshire .....	—	—	—
New Jersey .....	408	560	968
New York .....	56	—	56
North Carolina .....	—	—	—
Pennsylvania .....	—	—	—
Rhode Island .....	—	—	—
South Carolina .....	—	—	—
Vermont .....	—	—	—
Virginia .....	—	—	—
West Virginia .....	—	—	—
<b>PAD District 2</b> .....	<b>9</b>	<b>69</b>	<b>78</b>
Illinois .....	—	—	—
Indiana .....	—	—	—
Michigan .....	—	17	17
Minnesota .....	6	6	12
North Dakota .....	3	46	49
Ohio .....	—	—	—
Wisconsin .....	—	—	—
<b>PAD District 3</b> .....	<b>119</b>	<b>4,528</b>	<b>4,647</b>
Alabama .....	—	—	—
Louisiana .....	—	329	329
Mississippi .....	—	941	941
New Mexico .....	—	—	—
Texas .....	119	3,258	3,377
<b>PAD District 4</b> .....	<b>—</b>	<b>—</b>	<b>—</b>
Idaho .....	—	—	—
Montana .....	—	—	—
<b>PAD District 5</b> .....	<b>697</b>	<b>74</b>	<b>771</b>
Alaska .....	—	—	—
California .....	—	36	36
Hawaii .....	—	—	—
Oregon .....	—	—	—
Washington .....	697	38	735
<b>U.S. Total</b> .....	<b>1,289</b>	<b>5,532</b>	<b>6,821</b>

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 37. Imports of Crude Oil and Petroleum Products by PAD District, April 2022**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>17,647</b>	<b>73,926</b>	<b>47,042</b>	<b>7,324</b>	<b>35,831</b>	<b>181,770</b>	<b>6,059</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,032</b>	<b>2,068</b>	<b>41</b>	<b>276</b>	<b>1,218</b>	<b>4,635</b>	<b>155</b>
Natural Gas Liquids	703	1,839	16	276	1,218	4,052	135
Ethane	—	—	—	—	—	—	—
Propane	579	1,165	16	264	740	2,764	92
Normal Butane	67	368	—	12	478	925	31
Isobutane	57	302	—	—	—	359	12
Natural Gasoline	—	4	—	—	—	4	0
Refinery Olefins	329	229	25	—	—	583	19
Ethylene	—	—	—	—	—	—	—
Propylene	329	119	—	—	—	448	15
Normal Butylene	—	110	25	—	—	135	5
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>14,221</b>	<b>302</b>	<b>18,701</b>	<b>132</b>	<b>5,500</b>	<b>38,856</b>	<b>1,295</b>
Hydrogen/Biofuels/Other Hydrocarbons	446	70	126	4	468	1,114	37
Hydrogen	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol)	446	70	126	4	468	1,114	37
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	446	70	76	4	76	672	22
Renewable Diesel Fuel	—	—	—	—	392	392	13
Other Biofuels <sup>3</sup>	—	—	50	—	—	50	2
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils <sup>1</sup>	1,037	—	16,455	37	2,744	20,273	676
Naphthas and Lighter	705	—	45	—	—	750	25
Kerosene and Lighter Gas Oils	—	—	16	—	—	16	1
Heavy Gas Oils	332	—	8,191	37	2,744	11,304	377
Residuum	—	—	8,203	—	—	8,203	273
Motor Gasoline Blend.Comp. (MGBC)	12,738	232	2,120	91	2,288	17,469	582
Reformulated - RBOB	5,374	—	—	—	552	5,926	198
Conventional	7,364	232	2,120	91	1,736	11,543	385
CBOB	1,782	—	—	—	—	1,782	59
GTAB	1,738	—	—	—	—	1,738	58
Other	3,844	232	2,120	91	1,736	8,023	267
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>8,962</b>	<b>1,171</b>	<b>6,437</b>	<b>341</b>	<b>5,027</b>	<b>21,938</b>	<b>731</b>
Finished Motor Gasoline	2,237	—	94	19	1,053	3,403	113
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	2,237	—	94	19	1,053	3,403	113
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	2,237	—	94	19	1,053	3,403	113
Finished Aviation Gasoline	1	5	—	—	—	6	0
Kerosene-Type Jet Fuel	1,259	34	—	18	2,376	3,687	123
Bonded Aircraft Fuel	265	—	—	—	370	635	21
Other	994	34	—	18	2,006	3,052	102
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	2,834	130	—	209	685	3,858	129
15 ppm sulfur and under	2,832	116	—	209	684	3,841	128
Bonded	—	—	—	—	—	—	—
Other	2,832	116	—	209	684	3,841	128
Greater than 15 ppm to 500 ppm sulfur	2	3	—	—	—	5	0
Bonded	—	—	—	—	—	—	—
Other	2	3	—	—	—	5	0
Greater than 500 ppm to 2000 ppm sulfur	—	11	—	—	1	12	0
Bonded	—	—	—	—	—	—	—
Other	—	11	—	—	1	12	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	1,325	78	4,647	—	771	6,821	227
Less than 0.31 percent sulfur	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	464	9	119	—	697	1,289	43
Greater than 1.00 percent sulfur	861	69	4,528	—	74	5,532	184
Petrochemical Feedstocks	254	149	114	—	28	545	18
Naphtha for Petro. Feed. Use	254	86	73	—	28	441	15
Other Oils for Petro. Feed. Use	—	63	41	—	—	104	3
Special Naphthas	1	6	245	—	—	252	8
Lubricants	86	245	1,033	—	12	1,376	46
Waxes	94	19	53	—	48	214	7
Petroleum Coke (Marketable)	1	28	251	—	—	280	9
Asphalt and Road Oil	870	477	—	94	54	1,495	50
Miscellaneous Products	—	—	—	1	—	1	0
<b>Total</b>	<b>41,862</b>	<b>77,467</b>	<b>72,221</b>	<b>8,073</b>	<b>47,576</b>	<b>247,199</b>	<b>8,240</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-April 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b> .....	<b>66,605</b>	<b>316,355</b>	<b>192,947</b>	<b>34,453</b>	<b>140,491</b>	<b>750,851</b>	<b>6,257</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>7,845</b>	<b>9,022</b>	<b>41</b>	<b>1,784</b>	<b>5,748</b>	<b>24,440</b>	<b>204</b>
Natural Gas Liquids .....	6,580	8,241	16	1,784	5,748	22,369	186
Ethane .....	—	—	—	—	—	—	—
Propane .....	6,265	6,071	16	1,646	3,283	17,281	144
Normal Butane .....	200	1,451	—	134	2,465	4,250	35
Isobutane .....	115	700	—	4	—	819	7
Natural Gasoline .....	—	19	—	—	—	19	0
Refinery Olefins .....	1,265	781	25	—	—	2,071	17
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	1,265	507	—	—	—	1,772	15
Normal Butylene .....	—	274	25	—	—	299	2
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>53,225</b>	<b>2,246</b>	<b>56,421</b>	<b>202</b>	<b>14,357</b>	<b>126,451</b>	<b>1,054</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	1,208	268	256	16	2,359	4,107	34
Hydrogen .....	—	—	—	—	—	—	—
Biofuels (including Fuel Ethanol) .....	1,208	268	211	16	2,359	4,062	34
Fuel Ethanol .....	—	—	—	7	250	257	2
Biodiesel .....	1,208	268	161	9	171	1,817	15
Renewable Diesel Fuel .....	—	—	—	—	1,938	1,938	16
Other Biofuels <sup>3</sup> .....	—	—	50	—	—	50	0
Other Hydrocarbons .....	—	—	45	—	—	45	0
Unfinished Oils <sup>1</sup> .....	6,599	—	50,730	37	7,045	64,411	537
Naphthas and Lighter .....	1,117	—	90	—	—	1,207	10
Kerosene and Lighter Gas Oils .....	—	—	70	—	—	70	1
Heavy Gas Oils .....	5,482	—	21,469	37	7,045	34,033	284
Residuum .....	—	—	29,101	—	—	29,101	243
Motor Gasoline Blend.Comp. (MGBC) .....	45,418	1,978	5,435	149	4,953	57,933	483
Reformulated - RBOB .....	19,212	—	—	—	979	20,191	168
Conventional .....	26,206	1,978	5,435	149	3,974	37,742	315
CBOB .....	4,885	575	—	—	336	5,796	48
GTAB .....	6,946	—	—	—	—	6,946	58
Other .....	14,375	1,403	5,435	149	3,638	25,000	208
Aviation Gasoline Blend. Comp. .....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>45,353</b>	<b>5,471</b>	<b>27,712</b>	<b>1,143</b>	<b>17,617</b>	<b>97,296</b>	<b>811</b>
Finished Motor Gasoline .....	5,503	—	94	19	3,127	8,743	73
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	5,503	—	94	19	3,127	8,743	73
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	5,503	—	94	19	3,127	8,743	73
Finished Aviation Gasoline .....	44	14	80	2	1	141	1
Kerosene-Type Jet Fuel .....	4,497	34	—	116	9,907	14,554	121
Bonded Aircraft Fuel .....	590	—	—	—	1,378	1,968	16
Other .....	3,907	34	—	116	8,529	12,586	105
Kerosene .....	—	—	—	—	—	—	—
Distillate Fuel Oil .....	23,895	1,086	246	659	2,500	28,386	237
15 ppm sulfur and under .....	23,827	1,045	136	659	1,868	27,535	229
Bonded .....	—	—	—	—	—	—	—
Other .....	23,827	1,045	136	659	1,868	27,535	229
Greater than 15 ppm to 500 ppm sulfur .....	6	7	—	—	631	644	5
Bonded .....	—	—	—	—	—	—	—
Other .....	6	7	—	—	631	644	5
Greater than 500 ppm to 2000 ppm sulfur .....	62	34	110	—	1	207	2
Bonded .....	—	—	—	—	—	—	—
Other .....	62	34	110	—	1	207	2
Greater than 2000 ppm .....	—	—	—	—	—	—	—
Bonded .....	—	—	—	—	—	—	—
Other .....	—	—	—	—	—	—	—
Residual Fuel Oil .....	6,958	422	20,532	—	1,487	29,399	245
Less than 0.31 percent sulfur .....	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur .....	2,336	55	1,078	—	994	4,463	37
Greater than 1.00 percent sulfur .....	4,622	367	19,454	—	493	24,936	208
Petrochemical Feedstocks .....	339	629	822	—	127	1,917	16
Naphtha for Petro. Feed. Use .....	338	363	662	—	127	1,490	12
Other Oils for Petro. Feed. Use .....	1	266	160	—	—	427	4
Special Naphthas .....	107	26	962	—	—	1,095	9
Lubricants .....	519	874	3,744	—	128	5,265	44
Waxes .....	332	55	139	—	148	674	6
Petroleum Coke (Marketable) .....	9	91	1,065	—	—	1,165	10
Asphalt and Road Oil .....	3,150	2,240	28	343	192	5,953	50
Miscellaneous Products .....	—	—	—	4	—	4	0
<b>Total</b> .....	<b>173,028</b>	<b>333,094</b>	<b>277,121</b>	<b>37,582</b>	<b>178,213</b>	<b>999,038</b>	<b>8,325</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>26,726</b>	<b>97</b>	<b>—</b>	<b>7,644</b>	<b>—</b>	<b>310</b>	<b>310</b>	<b>259</b>	<b>1,651</b>	<b>1,910</b>
Algeria .....	—	—	—	1,152	—	—	—	—	—	—
Angola .....	581	—	—	—	—	—	—	—	154	154
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	65	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	6,541	—	—	1,514	—	—	—	—	—	—
Kuwait .....	781	—	—	654	—	—	—	—	—	—
Libya .....	2,452	—	—	—	—	—	—	—	—	—
Nigeria .....	2,242	32	—	277	—	—	—	—	289	289
Saudi Arabia .....	12,397	—	—	1,735	—	310	310	259	1,208	1,467
United Arab Emirates .....	1,732	—	—	2,312	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>155,044</b>	<b>3,955</b>	<b>583</b>	<b>12,629</b>	<b>—</b>	<b>3,093</b>	<b>3,093</b>	<b>5,667</b>	<b>9,892</b>	<b>15,559</b>
Argentina .....	2,491	—	—	—	—	16	16	—	222	222
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	170	170	—	299	299
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	321	321	—	—	—
Brazil .....	3,420	—	—	667	—	—	—	—	64	64
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	110,460	3,954	558	806	—	440	440	2,188	1,457	3,645
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	7,774	—	—	57	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—
Ecuador .....	3,952	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	100	—	—	—	—	620	620
France .....	—	—	—	511	—	48	48	—	231	231
Germany .....	—	—	—	—	—	55	55	—	62	62
Guatemala .....	295	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	34	34	328	2,314	2,642
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	413	413	—	390	390
Korea, South .....	—	1	—	—	—	371	371	—	464	464
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	545	545	—	300	300
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	17,962	—	25	1,871	—	—	—	—	230	230
Netherlands .....	—	—	—	—	—	135	135	1,199	259	1,458
Norway .....	1,327	—	—	—	—	—	—	181	125	306
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	244	244	—	276	276
Qatar .....	—	—	—	—	—	7	7	6	5	11
Russia .....	709	—	—	8,232	—	46	46	—	150	150
Spain .....	—	—	—	—	—	83	83	111	327	438
Sweden .....	—	—	—	—	—	6	6	—	4	4
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	2,085	—	—	—	—	39	39	—	—	—
United Kingdom .....	397	—	—	—	—	—	—	1,532	125	1,657
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	4,172	0	0	385	—	120	120	122	1,968	2,090
<b>Total</b> .....	<b>181,770</b>	<b>4,052</b>	<b>583</b>	<b>20,273</b>	<b>—</b>	<b>3,403</b>	<b>3,403</b>	<b>5,926</b>	<b>11,543</b>	<b>17,469</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>21,451</b>	<b>—</b>	<b>—</b>	<b>6,215</b>	<b>—</b>	<b>317</b>	<b>317</b>	<b>265</b>	<b>1,213</b>	<b>1,478</b>

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	672	392	50	3,841	5	12	—	3,858	—	6
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	213	—	—	3,586	5	12	—	3,603	—	6
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	50	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	294	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	255	—	—	—	255	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	49	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	165	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	0	343	0	0	0	0	—	0	—	0
<b>Total</b> .....	—	672	392	50	3,841	5	12	—	3,858	—	6
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b> .....	—	175	—	—	54	225	279	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	54	30	84	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	175	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	195	195	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	3,512	252	—	1,235	5,307	6,542	441	104
Argentina .....	—	—	—	—	—	—	—	—	27
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	143	143	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	10	10	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	438	85	—	9	143	152	88	63
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	303	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	7	7	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	14
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	578	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	1,881	130	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	503	503	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	37	—	—	3,529	3,529	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	9	—
Russia .....	—	—	—	—	697	961	1,658	—	—
Spain .....	—	—	—	—	391	—	391	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	19	11	30	6	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	312	0	—	119	0	119	338	0
<b>Total</b> .....	—	3,687	252	—	1,289	5,532	6,821	441	104
<b>Persian Gulf<sup>1</sup></b> .....	—	175	—	—	—	195	195	9	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	10,415	37,141	891	347	1,238
Algeria	—	—	—	—	—	1,152	1,152	—	38	38
Angola	—	—	—	—	—	154	735	19	5	25
Congo (Brazzaville)	—	—	—	—	—	84	84	—	3	3
Equatorial Guinea	—	—	—	—	—	65	65	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	1,514	8,055	218	50	269
Kuwait	—	—	—	—	—	829	1,610	26	28	54
Libya	—	—	—	—	—	—	2,452	82	—	82
Nigeria	—	—	—	—	—	598	2,840	75	20	95
Saudi Arabia	—	—	—	—	—	3,707	16,104	413	124	537
United Arab Emirates	—	—	—	—	—	2,312	4,044	58	77	135
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	214	280	1,495	1,376	1	55,014	210,058	5,168	1,834	7,002
Argentina	—	112	—	5	—	382	2,873	83	13	96
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	612	612	—	20	20
Bahrain	—	—	—	51	—	51	51	—	2	2
Belgium	—	—	—	2	—	323	323	—	11	11
Brazil	—	—	—	—	—	741	4,161	114	25	139
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	92	28	1,495	320	1	15,987	126,447	3,682	533	4,215
Chad	—	—	—	—	—	—	—	—	—	—
China	61	—	—	—	—	364	364	—	12	12
Colombia	—	—	—	—	—	64	7,838	259	2	261
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	3,952	132	—	132
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	770	770	—	26	26
France	—	—	—	9	—	813	813	—	27	27
Germany	—	139	—	8	—	558	558	—	19	19
Guatemala	—	—	—	—	—	—	295	10	—	10
India	—	—	—	—	—	3,254	3,254	—	108	108
Indonesia	—	—	—	112	—	112	112	—	4	4
Italy	—	—	—	6	—	809	809	—	27	27
Korea, South	—	—	—	391	—	3,493	3,493	—	116	116
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,348	1,348	—	45	45
Malaysia	1	—	—	—	—	1	1	—	0	0
Mexico	4	—	—	—	—	5,696	23,658	599	190	789
Netherlands	—	—	—	123	—	1,765	1,765	—	59	59
Norway	—	—	—	—	—	306	1,633	44	10	54
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	520	520	—	17	17
Qatar	—	—	—	331	—	358	358	—	12	12
Russia	—	—	—	—	—	10,086	10,795	24	336	360
Spain	1	—	—	—	—	1,078	1,078	—	36	36
Sweden	—	—	—	1	—	11	11	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	39	2,124	70	1	71
United Kingdom	22	—	—	—	—	1,715	2,112	13	57	70
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	33	1	0	17	0	3,758	7,930	138	126	264
<b>Total</b>	214	280	1,495	1,376	1	65,429	247,199	6,059	2,181	8,240
<b>Persian Gulf<sup>4</sup></b>	—	—	—	382	—	8,771	30,222	715	292	1,007

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>110,817</b>	<b>964</b>	<b>-</b>	<b>11,647</b>	<b>-</b>	<b>310</b>	<b>310</b>	<b>274</b>	<b>2,905</b>	<b>3,179</b>
Algeria .....	-	506	-	2,337	-	-	-	-	-	-
Angola .....	5,284	16	-	-	-	-	-	-	612	612
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	332	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	507	-	-	-	-	-	-	-	-	-
Iraq .....	26,778	-	-	1,737	-	-	-	-	-	-
Kuwait .....	2,954	-	-	654	-	-	-	-	-	15
Libya .....	9,974	-	-	46	-	-	-	-	-	-
Nigeria .....	7,202	110	-	277	-	-	-	-	567	567
Saudi Arabia .....	55,460	-	-	4,284	-	310	310	259	1,726	1,985
United Arab Emirates .....	2,658	-	-	2,312	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>640,034</b>	<b>21,405</b>	<b>2,071</b>	<b>52,764</b>	<b>-</b>	<b>8,433</b>	<b>8,433</b>	<b>19,917</b>	<b>34,837</b>	<b>54,754</b>
Argentina .....	7,122	-	-	-	-	16	16	-	393	393
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	1,080	1,080	-	299	299
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	336	336	-	324	324
Brazil .....	13,658	-	-	694	-	-	-	-	79	79
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	464,685	21,102	2,046	1,977	-	1,471	1,471	9,761	6,220	15,981
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	27,231	-	-	526	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	13,230	-	-	1,403	-	-	-	-	-	-
Egypt .....	-	-	-	1,366	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	100	-	-	-	-	2,267	2,267
France .....	-	-	-	992	-	48	48	401	1,686	2,087
Germany .....	-	-	-	69	-	160	160	-	105	105
Guatemala .....	295	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	34	34	328	6,843	7,171
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	45	-	1,043	1,043	-	1,673	1,673
Korea, South .....	-	4	-	-	-	1,652	1,652	-	1,028	1,028
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	545	545	-	300	300
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	73,659	-	25	7,382	-	-	-	-	500	500
Netherlands .....	-	-	-	586	-	558	558	4,028	1,170	5,198
Norway .....	3,410	196	-	-	-	12	12	501	437	938
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	277	277	-	1,690	1,690
Qatar .....	-	-	-	-	-	7	7	6	5	11
Russia .....	7,390	-	-	35,999	-	331	331	-	2,302	2,302
Spain .....	-	-	-	-	-	223	223	111	2,269	2,380
Sweden .....	-	-	-	-	-	106	106	-	625	625
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	6,466	103	-	-	-	39	39	-	-	-
United Kingdom .....	2,795	-	-	-	-	375	375	4,659	405	5,064
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	20,093	0	0	1,625	-	120	120	122	4,217	4,339
<b>Total</b> .....	<b>750,851</b>	<b>22,369</b>	<b>2,071</b>	<b>64,411</b>	<b>-</b>	<b>8,743</b>	<b>8,743</b>	<b>20,191</b>	<b>37,742</b>	<b>57,933</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>88,357</b>	<b>-</b>	<b>-</b>	<b>8,987</b>	<b>-</b>	<b>317</b>	<b>317</b>	<b>280</b>	<b>1,731</b>	<b>2,011</b>

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	—	—	—	—	2,349	—	—	—	2,349	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	645	—	—	—	645	—	—
Saudi Arabia .....	—	—	—	—	1,656	—	—	—	1,656	—	—
United Arab Emirates .....	—	—	—	—	48	—	—	—	48	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	257	1,817	1,938	50	25,186	644	207	—	26,037	—	141
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	776	—	62	—	838	—	—
Brazil .....	250	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	7	699	—	—	16,573	13	35	—	16,621	—	21
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	49
Finland .....	—	—	—	50	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	712	—	—	20	—	—	—	20	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	78	—	—	—	—	—	—	—	—	—
Korea, South .....	—	2	—	—	383	631	—	—	1,014	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	49	—	2,521	—	—	—	2,521	—	71
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	2,756	—	—	—	2,756	—	—
Russia .....	—	—	—	—	2,157	—	110	—	2,267	—	—
Spain .....	—	326	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	1,889	0	0	0	0	—	0	—	0
<b>Total</b> .....	257	1,817	1,938	50	27,535	644	207	—	28,386	—	141
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	—	4,460	—	—	—	4,460	—	—

See footnotes at end of table.



**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b>	—	1,510	—	—	62	819	881	70	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	70	—
Congo (Brazzaville)	—	—	—	—	62	30	92	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	539	539	—	—
Kuwait	—	839	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	396	—	—	—	246	246	—	—
United Arab Emirates	—	275	—	—	—	4	4	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	13,044	1,095	—	4,401	24,117	28,518	1,420	427
Argentina	—	—	—	—	—	—	—	—	75
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	32	747	779	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	29	29	—	—
Brazil	—	—	—	—	92	2,488	2,580	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1,300	390	—	540	1,569	2,109	383	293
Chad	—	—	—	—	—	—	—	—	—
China	—	619	—	—	—	—	—	—	—
Colombia	—	—	—	—	225	695	920	—	—
Denmark	—	—	—	—	68	—	68	—	—
Ecuador	—	—	—	—	100	431	531	—	—
Egypt	—	—	—	—	27	—	27	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	102	102	7	49
Germany	—	—	15	—	272	14	286	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	578	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	8,494	558	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,119	1,119	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	10	37	—	616	12,249	12,865	267	—
Netherlands	—	—	9	—	3	171	174	—	—
Norway	—	—	—	—	361	—	361	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	442	—	—	—	—	—	9	—
Russia	—	—	—	—	1,097	4,388	5,485	—	—
Spain	—	—	—	—	391	8	399	25	—
Sweden	—	—	—	—	111	—	111	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	19	11	30	6	10
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	1,601	86	—	447	96	543	723	0
<b>Total</b>	—	14,554	1,095	—	4,463	24,936	29,399	1,490	427
<b>Persian Gulf<sup>1</sup></b>	—	1,952	—	—	—	789	789	9	—

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	493	—	21,403	132,220	923	178	1,102
Algeria	—	—	—	—	—	2,843	2,843	—	24	24
Angola	—	—	—	—	—	698	5,982	44	6	50
Congo (Brazzaville)	—	—	—	—	—	92	92	—	1	1
Equatorial Guinea	—	—	—	—	—	332	332	—	3	3
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	507	4	—	4
Iraq	—	—	—	—	—	2,276	29,054	223	19	242
Kuwait	—	—	—	—	—	1,508	4,462	25	13	37
Libya	—	—	—	—	—	46	10,020	83	0	84
Nigeria	—	—	—	—	—	1,599	8,801	60	13	73
Saudi Arabia	—	—	—	29	—	8,906	64,366	462	74	536
United Arab Emirates	—	—	—	464	—	3,103	5,761	22	26	48
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	674	1,165	5,953	4,772	4	226,784	866,818	5,334	1,890	7,223
Argentina	—	522	—	15	—	1,021	8,143	59	9	68
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	2,158	2,158	—	18	18
Bahrain	—	—	—	262	—	262	262	—	2	2
Belgium	—	—	—	16	—	1,543	1,543	—	13	13
Brazil	—	371	—	—	—	4,011	17,669	114	33	147
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	354	91	5,785	1,193	4	71,827	536,512	3,872	599	4,471
Chad	—	—	—	—	—	—	—	—	—	—
China	91	—	—	—	—	710	710	—	6	6
Colombia	—	—	31	—	—	1,477	28,708	227	12	239
Denmark	—	—	—	—	—	68	68	—	1	1
Ecuador	—	—	—	—	—	1,934	15,164	110	16	126
Egypt	—	—	—	—	—	1,393	1,393	—	12	12
Estonia	—	—	—	—	—	49	49	—	0	0
Finland	—	—	—	—	—	2,417	2,417	—	20	20
France	—	—	—	35	—	3,320	3,320	—	28	28
Germany	—	139	—	39	—	1,545	1,545	—	13	13
Guatemala	—	—	—	—	—	—	295	2	—	2
India	—	—	—	1	—	7,784	7,784	—	65	65
Indonesia	—	—	—	443	—	443	443	—	4	4
Italy	—	—	37	30	—	2,906	2,906	—	24	24
Korea, South	2	—	—	1,344	—	14,098	14,098	—	117	117
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,964	1,964	—	16	16
Malaysia	66	—	—	—	—	66	66	—	1	1
Mexico	4	—	—	—	—	21,090	94,749	614	176	790
Netherlands	—	—	—	407	—	9,573	9,573	—	80	80
Norway	—	—	—	—	—	1,507	4,917	28	13	41
Oman	—	—	—	65	—	65	65	—	1	1
Portugal	—	—	—	—	—	1,967	1,967	—	16	16
Qatar	—	—	—	895	—	4,120	4,120	—	34	34
Russia	—	—	—	5	—	46,389	53,779	62	387	448
Spain	2	—	72	—	—	3,427	3,427	—	29	29
Sweden	—	—	—	1	—	843	843	—	7	7
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	142	6,608	54	1	55
United Kingdom	36	19	—	—	—	5,540	8,335	23	46	69
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	119	23	28	21	0	11,125	31,218	169	91	260
<b>Total</b>	<b>674</b>	<b>1,165</b>	<b>5,953</b>	<b>5,265</b>	<b>4</b>	<b>248,187</b>	<b>999,038</b>	<b>6,257</b>	<b>2,068</b>	<b>8,325</b>
<b>Persian Gulf<sup>4</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,650</b>	<b>—</b>	<b>20,175</b>	<b>108,532</b>	<b>736</b>	<b>168</b>	<b>904</b>

— = Not Applicable.  
 — = No Data Reported.  
<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.  
<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.  
<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.  
<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.  
 Note: Totals may not equal sum of components due to independent rounding.  
 Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>7,299</b>	—	—	<b>277</b>	—	—	—	—	<b>1,461</b>	<b>1,461</b>
Algeria .....	—	—	—	—	—	—	—	—	—	—
Angola .....	581	—	—	—	—	—	—	—	154	154
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	2,452	—	—	—	—	—	—	—	—	—
Nigeria .....	2,242	—	—	277	—	—	—	—	289	289
Saudi Arabia .....	2,024	—	—	—	—	—	—	—	1,018	1,018
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>10,348</b>	<b>703</b>	<b>329</b>	<b>760</b>	—	<b>2,237</b>	<b>2,237</b>	<b>5,374</b>	<b>5,903</b>	<b>11,277</b>
Argentina .....	—	—	—	—	—	16	16	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	321	321	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	4,450	703	329	—	—	260	260	2,188	1,078	3,266
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	100	—	—	—	—	620	620
France .....	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	55	55	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	288	1,530	1,818
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	413	413	—	325	325
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	545	545	—	300	300
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	1,991	—	—	332	—	—	—	—	230	230
Netherlands .....	—	—	—	—	—	135	135	952	221	1,173
Norway .....	1,327	—	—	—	—	—	—	181	125	306
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	244	244	—	276	276
Qatar .....	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	328	—	—	—	—	150	150
Spain .....	—	—	—	—	—	83	83	111	327	438
Sweden .....	—	—	—	—	—	6	6	—	3	3
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	499	—	—	—	—	39	39	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	1,532	125	1,657
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	2,081	0	0	0	—	120	120	122	593	715
<b>Total</b> .....	<b>17,647</b>	<b>703</b>	<b>329</b>	<b>1,037</b>	—	<b>2,237</b>	<b>2,237</b>	<b>5,374</b>	<b>7,364</b>	<b>12,738</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>2,024</b>	—	—	—	—	—	—	—	<b>1,018</b>	<b>1,018</b>

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	446	-	-	2,832	2	-	-	2,834	-	1
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	63	-	-	2,832	2	-	-	2,834	-	1
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	294	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	89	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	0	0	-	-	0	-	0
<b>Total</b> .....	-	446	-	-	2,832	2	-	-	2,834	-	1
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b> .....	—	175	—	—	54	106	160	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	54	30	84	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	175	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	76	76	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	1,084	1	—	410	755	1,165	254	—
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	143	143	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	386	1	—	—	—	—	2	—
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	7	7	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	578	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	120	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	594	594	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	391	—	391	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	19	11	30	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	0	—	0	0	0	252	—
<b>Total</b> .....	—	1,259	1	—	464	861	1,325	254	—
<b>Persian Gulf<sup>1</sup></b> .....	—	175	—	—	—	76	76	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	2,073	9,372	243	69	312
Algeria .....	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	154	735	19	5	25
Congo (Brazzaville) .....	—	—	—	—	—	84	84	—	3	3
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	175	175	—	6	6
Libya .....	—	—	—	—	—	—	2,452	82	—	82
Nigeria .....	—	—	—	—	—	566	2,808	75	19	94
Saudi Arabia .....	—	—	—	—	—	1,094	3,118	67	36	104
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	94	1	870	86	—	22,142	32,490	345	738	1,083
Argentina .....	—	—	—	—	—	16	16	—	1	1
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	143	143	—	5	5
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	321	321	—	11	11
Brazil .....	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	73	—	870	68	—	8,856	13,306	148	295	444
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	17	—	—	—	—	17	17	—	1	1
Colombia .....	—	—	—	—	—	7	7	—	0	0
Denmark .....	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	720	720	—	24	24
France .....	—	—	—	8	—	8	8	—	0	0
Germany .....	—	—	—	6	—	355	355	—	12	12
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	2,396	2,396	—	80	80
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	2	—	740	740	—	25	25
Korea, South .....	—	—	—	—	—	120	120	—	4	4
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	845	845	—	28	28
Malaysia .....	1	—	—	—	—	1	1	—	0	0
Mexico .....	—	—	—	—	—	1,156	3,147	66	39	105
Netherlands .....	—	—	—	1	—	1,309	1,309	—	44	44
Norway .....	—	—	—	—	—	306	1,633	44	10	54
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	520	520	—	17	17
Qatar .....	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	478	478	—	16	16
Spain .....	1	—	—	—	—	1,002	1,002	—	33	33
Sweden .....	—	—	—	1	—	10	10	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	39	538	17	1	18
United Kingdom .....	—	—	—	—	—	1,687	1,687	—	56	56
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	2	1	0	0	—	1,090	3,171	70	36	105
<b>Total</b> .....	94	1	870	86	—	24,215	41,862	588	807	1,395
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	—	—	1,269	3,293	67	42	110

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>73,926</b>	<b>1,839</b>	<b>229</b>	-	-	-	-	-	<b>232</b>	<b>232</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	73,926	1,838	229	-	-	-	-	-	232	232
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	1	0	-	-	-	-	-	0	0
<b>Total</b> .....	<b>73,926</b>	<b>1,839</b>	<b>229</b>	-	-	-	-	-	<b>232</b>	<b>232</b>
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	70	-	-	116	3	11	-	130	-	5
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	70	-	-	116	3	11	-	130	-	5
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	0	0	0	-	0	-	0
<b>Total</b> .....	-	70	-	-	116	3	11	-	130	-	5
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	34	6	—	9	69	78	86	63
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	34	6	—	9	69	78	86	63
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	0	—	0	0	0	0	0
<b>Total</b> .....	—	34	6	—	9	69	78	86	63
<b>Persian Gulf<sup>1</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>19</b>	<b>28</b>	<b>477</b>	<b>245</b>	<b>—</b>	<b>3,541</b>	<b>77,467</b>	<b>2,464</b>	<b>118</b>	<b>2,582</b>
Argentina .....	—	—	—	1	—	1	1	—	0	0
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	19	28	477	244	—	3,539	77,465	2,464	118	2,582
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	1	1	—	0	0
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	—	0	0	0	0	0
<b>Total</b> .....	<b>19</b>	<b>28</b>	<b>477</b>	<b>245</b>	<b>—</b>	<b>3,541</b>	<b>77,467</b>	<b>2,464</b>	<b>118</b>	<b>2,582</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>7,860</b>	<b>16</b>	<b>-</b>	<b>6,215</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	1,217	-	-	1,514	-	-	-	-	-	-
Kuwait .....	781	-	-	654	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	5,862	-	-	1,735	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	2,312	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>39,182</b>	<b>-</b>	<b>25</b>	<b>10,240</b>	<b>-</b>	<b>94</b>	<b>94</b>	<b>-</b>	<b>2,120</b>	<b>2,120</b>
Argentina .....	-	-	-	-	-	-	-	-	222	222
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	667	-	-	-	-	64	64
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	16,531	-	-	653	-	-	-	-	26	26
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	5,732	-	-	57	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	511	-	48	48	-	231	231
Germany .....	-	-	-	-	-	-	-	-	62	62
Guatemala .....	295	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	551	551
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	65	65
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	15,168	-	25	902	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	38	38
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	7,284	-	46	46	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	1	1
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	1,059	-	-	-	-	-	-	-	-	-
United Kingdom .....	397	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	166	-	0	0	-	860	860
<b>Total</b> .....	<b>47,042</b>	<b>16</b>	<b>25</b>	<b>16,455</b>	<b>-</b>	<b>94</b>	<b>94</b>	<b>-</b>	<b>2,120</b>	<b>2,120</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>7,860</b>	<b>-</b>	<b>-</b>	<b>6,215</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	76	-	50	-	-	-	-	-	-	-
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	-	-	-	-	-
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	50	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	76	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	-	-	-	-	-	-	-
<b>Total</b> .....	-	76	-	50	-	-	-	-	-	-	-
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b> .....	—	—	—	—	—	119	119	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	119	119	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	—	245	—	119	4,409	4,528	73	41
Argentina .....	—	—	—	—	—	—	—	—	27
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	10	10	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	78	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	14
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	130	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	503	503	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	37	—	—	2,935	2,935	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	9	—
Russia .....	—	—	—	—	—	961	961	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	6	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	—	119	0	119	58	0
<b>Total</b> .....	—	—	245	—	119	4,528	4,647	73	41
<b>Persian Gulf<sup>1</sup></b> .....	—	—	—	—	—	119	119	9	—

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	6,350	14,210	262	212	474
Algeria .....	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	16	16	—	1	1
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	1,514	2,731	41	50	91
Kuwait .....	—	—	—	—	—	654	1,435	26	22	48
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	1,854	7,716	195	62	257
United Arab Emirates .....	—	—	—	—	—	2,312	2,312	—	77	77
Venezuela .....	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	53	251	—	1,033	—	18,829	58,011	1,306	628	1,934
Argentina .....	—	112	—	4	—	365	365	—	12	12
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	51	—	51	51	—	2	2
Belgium .....	—	—	—	2	—	2	2	—	0	0
Brazil .....	—	—	—	—	—	741	741	—	25	25
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	2	—	759	17,290	551	25	576
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	12	—	—	—	—	12	12	—	0	0
Colombia .....	—	—	—	—	—	57	5,789	191	2	193
Denmark .....	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	50	50	—	2	2
France .....	—	—	—	1	—	805	805	—	27	27
Germany .....	—	139	—	2	—	203	203	—	7	7
Guatemala .....	—	—	—	—	—	—	295	10	—	10
India .....	—	—	—	—	—	551	551	—	18	18
Indonesia .....	—	—	—	112	—	112	112	—	4	4
Italy .....	—	—	—	4	—	69	69	—	2	2
Korea, South .....	—	—	—	385	—	515	515	—	17	17
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	503	503	—	17	17
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	4	—	—	—	—	3,903	19,071	506	130	636
Netherlands .....	—	—	—	122	—	160	160	—	5	5
Norway .....	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	331	—	340	340	—	11	11
Russia .....	—	—	—	—	—	8,291	8,291	—	276	276
Spain .....	—	—	—	—	—	76	76	—	3	3
Sweden .....	—	—	—	—	—	1	1	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	1,059	35	—	35
United Kingdom .....	22	—	—	—	—	28	425	13	1	14
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	15	0	—	17	—	1,235	1,235	0	42	42
<b>Total</b> .....	53	251	—	1,033	—	25,179	72,221	1,568	839	2,407
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	382	—	6,725	14,585	262	224	486

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	7,324	276	-	37	-	19	19	-	91	91
Canada .....	7,324	276	-	37	-	14	14	-	91	91
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	0	-	5	5	-	0	0
Total .....	7,324	276	-	37	-	19	19	-	91	91
	PAD District 5									
OPEC .....	11,567	-	-	1,152	-	310	310	259	190	449
Algeria .....	-	-	-	1,152	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	5,324	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	4,511	-	-	-	-	310	310	259	190	449
United Arab Emirates .....	1,732	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	24,264	1,137	-	1,592	-	743	743	293	1,546	1,839
Argentina .....	2,491	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	3,420	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	8,229	1,137	-	116	-	166	166	-	30	30
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	2,042	-	-	-	-	-	-	-	-	-
Ecuador .....	3,952	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	219	-	-	-	-	105	105
Korea, South .....	-	-	-	-	-	371	371	-	464	464
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	803	-	-	637	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	247	-	247
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	73	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	7	7	6	5	11
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	410	410
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	3,254	0	-	620	-	199	199	40	532	572
Total .....	35,831	1,218	-	2,744	-	1,053	1,053	552	1,736	2,288
Persian Gulf <sup>4</sup> .....	11,567	-	-	-	-	317	317	265	195	460

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
	PAD District 4										
OPEC .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	4	-	-	209	-	-	-	209	-	-
Canada .....	-	4	-	-	209	-	-	-	209	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	0	-	-	-	0	-	-
Total .....	-	4	-	-	209	-	-	-	209	-	-
	PAD District 5										
OPEC .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	76	392	-	684	-	1	-	685	-	-
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	76	-	-	429	-	1	-	430	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	255	-	-	-	255	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	49	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	343	-	0	-	0	-	0	-	-
Total .....	-	76	392	-	684	-	1	-	685	-	-
Persian Gulf <sup>4</sup> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
	PAD District 4								
OPEC .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	18	-	-	-	-	-	-	-
Canada .....	-	18	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	-	-	-	-	-
Total .....	-	18	-	-	-	-	-	-	-
	PAD District 5								
OPEC .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	2,376	-	-	697	74	771	28	-
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	74	74	-	-
China .....	-	303	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	224	-	-	-	-	-	-	-
Korea, South .....	-	1,761	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Singapore .....	-	88	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	28	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	697	0	697	0	-
Total .....	-	2,376	-	-	697	74	771	28	-
Persian Gulf <sup>4</sup> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
	PAD District 4									
OPEC .....	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	94	—	1	749	8,073	244	25	269
Canada .....	—	—	94	—	1	744	8,068	244	25	269
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	—	0	5	5	0	0	0
Total .....	—	—	94	—	1	749	8,073	244	25	269
	PAD District 5									
OPEC .....	—	—	—	—	—	1,992	13,559	386	66	452
Algeria .....	—	—	—	—	—	1,152	1,152	—	38	38
Angola .....	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	5,324	177	—	177
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	32	32	—	1	1
Saudi Arabia .....	—	—	—	—	—	759	5,270	150	25	176
United Arab Emirates .....	—	—	—	—	—	—	1,732	58	—	58
Venezuela .....	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	48	—	54	12	—	9,753	34,017	809	325	1,134
Argentina .....	—	—	—	—	—	—	2,491	83	—	83
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	3,420	114	—	114
Brunei .....	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	54	6	—	2,089	10,318	274	70	344
China .....	32	—	—	—	—	335	335	—	11	11
Colombia .....	—	—	—	—	—	—	2,042	68	—	68
Ecuador .....	—	—	—	—	—	—	3,952	132	—	132
Finland .....	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	—	—	548	548	—	18	18
Korea, South .....	—	—	—	6	—	2,857	2,857	—	95	95
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	637	1,440	27	21	48
Netherlands .....	—	—	—	—	—	296	296	—	10	10
Oman .....	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	73	2	—	2
Qatar .....	—	—	—	—	—	18	18	—	1	1
Singapore .....	—	—	—	—	—	431	431	—	14	14
Sweden .....	—	—	—	—	—	—	—	—	—	—
Taiwan .....	16	—	—	—	—	454	454	—	15	15
United Kingdom .....	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	0	0	—	2,088	5,342	109	70	179
Total .....	48	—	54	12	—	11,745	47,576	1,194	392	1,586
Persian Gulf <sup>4</sup> .....	—	—	—	—	—	777	12,344	386	26	411

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>25,496</b>	<b>746</b>	<b>-</b>	<b>756</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>2,715</b>	<b>2,730</b>
Algeria .....	-	506	-	-	-	-	-	-	-	-
Angola .....	2,527	-	-	-	-	-	-	-	612	612
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	240	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	7,978	-	-	-	-	-	-	-	-	-
Nigeria .....	7,202	-	-	277	-	-	-	-	567	567
Saudi Arabia .....	7,789	-	-	479	-	-	-	-	1,536	1,536
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>41,109</b>	<b>5,834</b>	<b>1,265</b>	<b>5,843</b>	<b>-</b>	<b>5,503</b>	<b>5,503</b>	<b>19,197</b>	<b>23,491</b>	<b>42,688</b>
Argentina .....	490	-	-	-	-	16	16	-	171	171
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	637	637	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	336	336	-	324	324
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	16,888	5,638	1,265	-	-	1,056	1,056	9,761	4,036	13,797
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,002	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	202	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	100	-	-	-	-	1,967	1,967
France .....	-	-	-	481	-	-	-	401	1,455	1,856
Germany .....	-	-	-	-	-	160	160	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	288	3,658	3,946
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	1,043	1,043	-	1,235	1,235
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	545	545	-	300	300
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	3,985	-	-	2,267	-	-	-	-	500	500
Netherlands .....	-	-	-	-	-	558	558	3,354	1,047	4,401
Norway .....	3,410	196	-	-	-	12	12	501	437	938
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	277	277	-	1,690	1,690
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	3,098	-	-	2,793	-	-	-	-	2,153	2,153
Spain .....	-	-	-	-	-	223	223	111	2,269	2,380
Sweden .....	-	-	-	-	-	106	106	-	624	624
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	997	-	-	-	-	39	39	-	-	-
United Kingdom .....	476	-	-	-	-	375	375	4,659	405	5,064
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	10,763	0	0	0	-	120	120	122	1,220	1,342
<b>Total</b> .....	<b>66,605</b>	<b>6,580</b>	<b>1,265</b>	<b>6,599</b>	<b>-</b>	<b>5,503</b>	<b>5,503</b>	<b>19,212</b>	<b>26,206</b>	<b>45,418</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>7,789</b>	<b>-</b>	<b>-</b>	<b>479</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>1,536</b>	<b>1,551</b>

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	—	—	—	—	2,349	—	—	—	2,349	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	645	—	—	—	645	—	—
Saudi Arabia .....	—	—	—	—	1,656	—	—	—	1,656	—	—
United Arab Emirates .....	—	—	—	—	48	—	—	—	48	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	1,208	—	—	21,478	6	62	—	21,546	—	44
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	776	—	62	—	838	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	253	—	—	13,384	6	—	—	13,390	—	4
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	712	—	—	20	—	—	—	20	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	2,521	—	—	—	2,521	—	40
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	2,756	—	—	—	2,756	—	—
Russia .....	—	—	—	—	2,021	—	—	—	2,021	—	—
Spain .....	—	243	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	—	0	0	0	—	0	—	0
<b>Total</b> .....	—	1,208	—	—	23,827	6	62	—	23,895	—	44
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	—	4,460	—	—	—	4,460	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b> .....	—	1,510	—	—	62	114	176	70	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	70	—
Congo (Brazzaville) .....	—	—	—	—	62	30	92	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	839	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	396	—	—	—	80	80	—	—
United Arab Emirates .....	—	275	—	—	—	4	4	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	2,987	107	—	2,274	4,508	6,782	268	1
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	32	242	274	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	29	29	—	—
Brazil .....	—	—	—	—	4	205	209	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	976	107	—	61	518	579	9	1
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	225	690	915	—	—
Denmark .....	—	—	—	—	68	—	68	—	—
Ecuador .....	—	—	—	—	100	431	531	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	102	102	7	—
Germany .....	—	—	—	—	272	14	286	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	578	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	722	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	10	—	—	616	1,199	1,815	—	—
Netherlands .....	—	—	—	—	3	171	174	—	—
Norway .....	—	—	—	—	361	—	361	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	442	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	882	882	—	—
Spain .....	—	—	—	—	391	8	399	—	—
Sweden .....	—	—	—	—	111	—	111	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	19	11	30	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	259	0	—	11	6	17	252	0
<b>Total</b> .....	—	4,497	107	—	2,336	4,622	6,958	338	1
<b>Persian Gulf<sup>1</sup></b> .....	—	1,952	—	—	—	84	84	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	68	—	8,405	33,901	212	70	283
Algeria	—	—	—	—	—	506	506	—	4	4
Angola	—	—	—	—	—	682	3,209	21	6	27
Congo (Brazzaville)	—	—	—	—	—	92	92	—	1	1
Equatorial Guinea	—	—	—	—	—	240	240	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	854	854	—	7	7
Libya	—	—	—	—	—	—	7,978	66	—	66
Nigeria	—	—	—	—	—	1,489	8,691	60	12	72
Saudi Arabia	—	—	—	—	—	4,147	11,936	65	35	99
United Arab Emirates	—	—	—	68	—	395	395	—	3	3
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	332	9	3,150	451	—	98,018	139,127	343	817	1,159
Argentina	—	—	—	—	—	187	677	4	2	6
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	911	911	—	8	8
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	1,527	1,527	—	13	13
Brazil	—	1	—	—	—	210	210	—	2	2
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	299	—	3,082	301	—	40,757	57,645	141	340	480
Chad	—	—	—	—	—	—	—	—	—	—
China	24	—	—	—	—	24	24	—	0	0
Colombia	—	—	31	—	—	946	1,948	8	8	16
Denmark	—	—	—	—	—	68	68	—	1	1
Ecuador	—	—	—	—	—	733	733	—	6	6
Egypt	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	2,067	2,067	—	17	17
France	—	—	—	27	—	2,473	2,473	—	21	21
Germany	—	—	—	29	—	1,207	1,207	—	10	10
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	4,524	4,524	—	38	38
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	37	8	—	2,323	2,323	—	19	19
Korea, South	2	—	—	23	—	747	747	—	6	6
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	845	845	—	7	7
Malaysia	1	—	—	—	—	1	1	—	0	0
Mexico	—	—	—	—	—	4,592	8,577	33	38	71
Netherlands	—	—	—	55	—	7,749	7,749	—	65	65
Norway	—	—	—	—	—	1,507	4,917	28	13	41
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	1,967	1,967	—	16	16
Qatar	—	—	—	—	—	3,198	3,198	—	27	27
Russia	—	—	—	5	—	7,854	10,952	26	65	91
Spain	2	—	—	—	—	3,247	3,247	—	27	27
Sweden	—	—	—	1	—	842	842	—	7	7
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	39	1,036	8	0	9
United Kingdom	—	2	—	—	—	5,471	5,947	4	46	50
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	4	6	0	2	—	2,002	12,765	91	15	105
<b>Total</b>	332	9	3,150	519	—	106,423	173,028	555	887	1,442
<b>Persian Gulf<sup>4</sup></b>	—	—	—	68	—	8,594	16,383	65	72	137

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>316,355</b>	<b>8,241</b>	<b>781</b>	-	-	-	-	-	<b>1,978</b>	<b>1,978</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	316,355	8,237	781	-	-	-	-	-	1,978	1,978
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	4	0	-	-	-	-	-	0	0
<b>Total</b> .....	<b>316,355</b>	<b>8,241</b>	<b>781</b>	-	-	-	-	-	<b>1,978</b>	<b>1,978</b>
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	268	—	—	1,045	7	34	—	1,086	—	14
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	268	—	—	1,045	7	34	—	1,086	—	14
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	—	0	0	0	—	0	—	0
<b>Total</b> .....	—	268	—	—	1,045	7	34	—	1,086	—	14
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	34	26	—	55	367	422	363	266
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	34	26	—	55	367	422	363	266
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	0	—	0	0	0	0	0
<b>Total</b> .....	—	34	26	—	55	367	422	363	266
<b>Persian Gulf<sup>4</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>55</b>	<b>91</b>	<b>2,240</b>	<b>874</b>	<b>—</b>	<b>16,739</b>	<b>333,094</b>	<b>2,636</b>	<b>139</b>	<b>2,776</b>
Argentina .....	—	—	—	2	—	2	2	—	0	0
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	55	91	2,240	870	—	16,731	333,086	2,636	139	2,776
Chad .....	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	1	—	1	1	—	0	0
Germany .....	—	—	—	1	—	1	1	—	0	0
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	4	4	—	0	0
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	—	0	0	0	0	0
<b>Total</b> .....	<b>55</b>	<b>91</b>	<b>2,240</b>	<b>874</b>	<b>—</b>	<b>16,739</b>	<b>333,094</b>	<b>2,636</b>	<b>139</b>	<b>2,776</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>36,094</b>	<b>16</b>	<b>-</b>	<b>8,554</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	949	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	507	-	-	-	-	-	-	-	-	-
Iraq .....	3,662	-	-	1,737	-	-	-	-	-	-
Kuwait .....	2,255	-	-	654	-	-	-	-	-	-
Libya .....	-	-	-	46	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	28,721	-	-	3,805	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	2,312	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>156,853</b>	<b>-</b>	<b>25</b>	<b>42,176</b>	<b>-</b>	<b>94</b>	<b>94</b>	<b>-</b>	<b>5,435</b>	<b>5,435</b>
Argentina .....	-	-	-	-	-	-	-	-	222	222
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	694	-	-	-	-	79	79
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	67,206	-	-	1,787	-	-	-	-	26	26
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	16,370	-	-	526	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	596	-	-	-	-	-	-
Egypt .....	-	-	-	1,366	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	300	300
France .....	-	-	-	511	-	48	48	-	231	231
Germany .....	-	-	-	69	-	-	-	-	105	105
Guatemala .....	295	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	1,650	1,650
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	45	-	-	-	-	438	438
Korea, South .....	-	-	-	-	-	-	-	-	156	156
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	64,983	-	25	3,194	-	-	-	-	-	-
Netherlands .....	-	-	-	586	-	-	-	-	38	38
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	31,716	-	46	46	-	149	149
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	1	1
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	4,433	-	-	-	-	-	-	-	-	-
United Kingdom .....	2,319	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	1,247	0	0	1,086	-	0	0	-	2,040	2,040
<b>Total</b> .....	<b>192,947</b>	<b>16</b>	<b>25</b>	<b>50,730</b>	<b>-</b>	<b>94</b>	<b>94</b>	<b>-</b>	<b>5,435</b>	<b>5,435</b>
<b>Persian Gulf<sup>4</sup></b> .....	<b>35,145</b>	<b>-</b>	<b>-</b>	<b>8,508</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	161	-	50	136	-	110	-	246	-	80
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	-	-	-	-	-
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	49
Finland .....	-	-	-	50	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	78	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	31
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	136	-	110	-	246	-	-
Spain .....	-	83	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	0	-	0	-	0	-	0
<b>Total</b> .....	-	161	-	50	136	-	110	-	246	-	80
<b>Persian Gulf<sup>4</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
<b>OPEC</b> .....	—	—	—	—	—	705	705	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	539	539	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	166	166	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	—	962	—	1,078	18,749	19,827	662	160
Argentina .....	—	—	—	—	—	—	—	—	75
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	505	505	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	88	2,283	2,371	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	257	—	127	284	411	11	26
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	5	5	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	27	—	27	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	49
Germany .....	—	—	15	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	558	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	1,119	1,119	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	37	—	—	10,957	10,957	267	—
Netherlands .....	—	—	9	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	9	—
Russia .....	—	—	—	—	400	3,506	3,906	—	—
Spain .....	—	—	—	—	—	—	—	25	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	6	10
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	86	—	436	90	526	344	0
<b>Total</b> .....	—	—	962	—	1,078	19,454	20,532	662	160
<b>Persian Gulf<sup>1</sup></b> .....	—	—	—	—	—	705	705	9	—

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	425	—	9,700	45,794	301	81	382
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	949	8	—	8
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	16	16	—	0	0
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	507	4	—	4
Iraq	—	—	—	—	—	2,276	5,938	31	19	49
Kuwait	—	—	—	—	—	654	2,909	19	5	24
Libya	—	—	—	—	—	46	46	—	0	0
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	29	—	4,000	32,721	239	33	273
United Arab Emirates	—	—	—	396	—	2,708	2,708	—	23	23
Venezuela	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	139	1,065	28	3,319	—	74,474	231,327	1,307	621	1,928
Argentina	—	522	—	13	—	832	832	—	7	7
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	505	505	—	4	4
Bahrain	—	—	—	262	—	262	262	—	2	2
Belgium	—	—	—	16	—	16	16	—	0	0
Brazil	—	370	—	—	—	3,551	3,551	—	30	30
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	7	—	2,525	69,731	560	21	581
Chad	—	—	—	—	—	—	—	—	—	—
China	12	—	—	—	—	12	12	—	0	0
Colombia	—	—	—	—	—	531	16,901	136	4	141
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	596	596	—	5	5
Egypt	—	—	—	—	—	1,393	1,393	—	12	12
Estonia	—	—	—	—	—	49	49	—	0	0
Finland	—	—	—	—	—	350	350	—	3	3
France	—	—	—	7	—	846	846	—	7	7
Germany	—	139	—	9	—	337	337	—	3	3
Guatemala	—	—	—	—	—	—	295	2	—	2
India	—	—	—	1	—	1,651	1,651	—	14	14
Indonesia	—	—	—	443	—	443	443	—	4	4
Italy	—	—	—	22	—	583	583	—	5	5
Korea, South	—	—	—	1,292	—	2,006	2,006	—	17	17
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	1,119	1,119	—	9	9
Malaysia	65	—	—	—	—	65	65	—	1	1
Mexico	4	—	—	—	—	14,484	79,467	542	121	662
Netherlands	—	—	—	352	—	1,016	1,016	—	8	8
Norway	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	65	—	65	65	—	1	1
Portugal	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	811	—	820	820	—	7	7
Russia	—	—	—	—	—	36,063	36,063	—	301	301
Spain	—	—	—	—	—	108	108	—	1	1
Sweden	—	—	—	—	—	1	1	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	4,433	37	—	37
United Kingdom	36	17	—	—	—	69	2,388	19	1	20
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	22	17	28	19	—	4,176	5,423	11	33	44
<b>Total</b>	139	1,065	28	3,744	—	84,174	277,121	1,608	701	2,309
<b>Persian Gulf<sup>4</sup></b>	—	—	—	1,498	—	10,720	45,865	293	89	382

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
OPEC	PAD District 4									
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Non-OPEC	34,453	1,784	-	37	-	19	19	-	149	149
Canada	34,453	1,784	-	37	-	14	14	-	149	149
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	5	5	-	0	0
Total	34,453	1,784	-	37	-	19	19	-	149	149
OPEC	PAD District 5									
	49,227	-	-	2,337	-	310	310	259	190	449
	-	-	-	2,337	-	-	-	-	-	-
	1,808	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	23,116	-	-	-	-	-	-	-	-	-
	699	-	-	-	-	-	-	-	-	-
	1,996	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	18,950	-	-	-	-	310	310	259	190	449
	2,658	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	91,264	5,546	-	4,708	-	2,817	2,817	720	3,784	4,504
	6,632	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	
13,658	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
29,783	5,443	-	153	-	401	401	-	31	31	
-	-	-	-	-	-	-	-	-	-	
9,859	-	-	-	-	-	-	-	-	-	
13,230	-	-	605	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel	Other Biofuels <sup>3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
	PAD District 4										
OPEC .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	7	9	—	—	659	—	—	—	659	—	2
Canada .....	7	9	—	—	659	—	—	—	659	—	2
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	—	0	—	—	—	0	—	0
Total .....	7	9	—	—	659	—	—	—	659	—	2
	PAD District 5										
OPEC .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	250	171	1,938	—	1,868	631	1	—	2,500	—	1
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	250	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	169	—	—	1,485	—	1	—	1,486	—	1
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	2	—	—	383	631	—	—	1,014	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	49	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	1,889	—	0	0	0	—	0	—	0
Total .....	250	171	1,938	—	1,868	631	1	—	2,500	—	1
Persian Gulf <sup>4</sup> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil				Petrochemical Feedstocks	
				Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total	Naphtha	Other Oils
	PAD District 4								
OPEC .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	116	-	-	-	-	-	-	-
Canada .....	-	116	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	-	-	-	-	-
Total .....	-	116	-	-	-	-	-	-	-
	PAD District 5								
OPEC .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	9,907	-	-	994	493	1,487	127	-
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Canada .....	-	174	-	-	297	400	697	-	-
China .....	-	619	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Japan .....	-	224	-	-	-	-	-	-	-
Korea, South .....	-	7,772	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	93	93	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Singapore .....	-	143	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Taiwan .....	-	975	-	-	-	-	-	127	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	-	697	0	697	0	-
Total .....	-	9,907	-	-	994	493	1,487	127	-
Persian Gulf <sup>4</sup> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2022**  
(Thousand Barrels) — Continued

Country of Origin			Asphalt and Road Oil		Miscellaneo- us Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
	Waxes	Petroleum Coke		Lubricants						
	PAD District 4									
OPEC .....	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	343	—	4	3,129	37,582	287	26	313
Canada .....	—	—	343	—	4	3,124	37,577	287	26	313
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	—	0	5	5	0	0	0
Total .....	—	—	343	—	4	3,129	37,582	287	26	313
	PAD District 5									
OPEC .....	—	—	—	—	—	3,298	52,525	410	27	438
Algeria .....	—	—	—	—	—	2,337	2,337	—	19	19
Angola .....	—	—	—	—	—	16	1,824	15	0	15
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	23,116	193	—	193
Kuwait .....	—	—	—	—	—	—	699	6	—	6
Libya .....	—	—	—	—	—	—	1,996	17	—	17
Nigeria .....	—	—	—	—	—	110	110	—	1	1
Saudi Arabia .....	—	—	—	—	—	759	19,709	158	6	164
United Arab Emirates .....	—	—	—	—	—	—	2,658	22	—	22
Venezuela .....	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	148	—	192	128	—	34,424	125,688	761	287	1,047
Argentina .....	—	—	—	—	—	—	6,632	55	—	55
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	250	13,908	114	2	116
Brunei .....	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	120	15	—	8,690	38,473	248	72	321
China .....	55	—	—	—	—	674	674	—	6	6
Colombia .....	—	—	—	—	—	—	9,859	82	—	82
Ecuador .....	—	—	—	—	—	605	13,835	110	5	115
Finland .....	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Japan .....	25	—	—	—	—	1,285	1,285	—	11	11
Korea, South .....	—	—	—	29	—	11,341	11,341	—	95	95
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	2,014	6,705	39	17	56
Netherlands .....	—	—	—	—	—	808	808	—	7	7
Oman .....	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	73	1	—	1
Qatar .....	—	—	—	84	—	102	102	—	1	1
Singapore .....	—	—	—	—	—	2,032	2,032	—	17	17
Sweden .....	—	—	—	—	—	—	—	—	—	—
Taiwan .....	68	—	—	—	—	1,630	1,630	—	14	14
United Kingdom .....	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	72	0	—	4,993	18,331	112	40	150
Total .....	148	—	192	128	—	37,722	178,213	1,171	314	1,485
Persian Gulf <sup>4</sup> .....	—	—	—	84	—	861	46,284	379	7	386

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

<sup>4</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 49. Exports of Crude Oil and Petroleum Products by PAD District, April 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>1,462</b>	<b>2,042</b>	<b>93,674</b>	<b>—</b>	<b>—</b>	<b>97,177</b>	<b>3,239</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>8,239</b>	<b>7,134</b>	<b>54,093</b>	<b>67</b>	<b>1,637</b>	<b>71,169</b>	<b>2,372</b>
Natural Gas Liquids .....	8,239	7,134	54,093	67	1,637	71,169	2,372
Ethane .....	1,534	2,163	8,980	0	0	12,678	423
Propane .....	5,006	100	34,137	1	754	39,998	1,333
Normal Butane .....	1,616	62	10,669	20	859	13,224	441
Isobutane .....	1	3	204	—	1	210	7
Natural Gasoline .....	82	4,806	102	45	23	5,059	169
<b>Other Liquids</b> .....	<b>335</b>	<b>3,339</b>	<b>13,763</b>	<b>4</b>	<b>824</b>	<b>18,265</b>	<b>609</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	139	960	3,385	3	511	4,999	167
Hydrogen .....	—	—	—	—	—	—	—
Biofuels .....	139	960	3,385	3	511	4,999	167
Fuel Ethanol .....	98	756	3,191	0	369	4,414	147
Biodiesel .....	41	204	194	3	142	584	19
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	186	1,822	9,143	0	28	11,180	373
Naphthas and Lighter .....	172	1,808	8,877	0	8	10,865	362
Kerosene and Light Gas Oils .....	14	14	266	0	20	315	10
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	10	557	1,235	1	284	2,087	70
Reformulated .....	0	—	0	—	2	3	0
Conventional .....	10	557	1,234	1	282	2,084	69
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>2,153</b>	<b>1,449</b>	<b>87,748</b>	<b>14</b>	<b>7,850</b>	<b>99,213</b>	<b>3,307</b>
Finished Motor Gasoline .....	51	407	24,480	1	1,088	26,027	868
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	51	407	24,480	1	1,088	26,027	868
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	29	25	5,818	—	606	6,478	216
Kerosene .....	4	1	35	—	2	42	1
Distillate Fuel Oil .....	154	206	40,986	0	1,563	42,910	1,430
15 ppm sulfur and under .....	154	0	36,421	0	1,296	37,870	1,262
Greater than 15 ppm to 500 ppm sulfur .....	—	35	3,250	—	26	3,311	110
Greater than 500 ppm sulfur .....	—	171	1,316	—	242	1,728	58
Residual Fuel Oil .....	85	—	2,256	—	673	3,013	100
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	236	217	2,282	11	106	2,852	95
Waxes .....	79	46	19	—	4	147	5
Petroleum Coke .....	1,437	529	11,384	—	3,778	17,129	571
Asphalt and Road Oil .....	58	16	458	1	30	562	19
Miscellaneous Products .....	20	2	30	—	0	52	2
<b>Total</b> .....	<b>12,188</b>	<b>13,964</b>	<b>249,278</b>	<b>85</b>	<b>10,311</b>	<b>285,825</b>	<b>9,527</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-April 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>5,357</b>	<b>7,633</b>	<b>381,936</b>	<b>—</b>	<b>1,548</b>	<b>396,474</b>	<b>3,304</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>27,659</b>	<b>29,924</b>	<b>219,576</b>	<b>216</b>	<b>6,000</b>	<b>283,376</b>	<b>2,361</b>
Natural Gas Liquids .....	27,659	29,924	219,576	216	6,000	283,376	2,361
Ethane .....	9,038	9,916	38,929	1	2	57,885	482
Propane .....	15,026	553	143,494	4	2,896	161,974	1,350
Normal Butane .....	3,248	216	35,551	22	3,007	42,043	350
Isobutane .....	3	9	733	—	6	751	6
Natural Gasoline .....	345	19,230	870	189	90	20,724	173
<b>Other Liquids</b> .....	<b>1,140</b>	<b>11,236</b>	<b>54,271</b>	<b>8</b>	<b>3,062</b>	<b>69,717</b>	<b>581</b>
Hydrogen/Biofuels/Other Hydrocarbons .....	807	3,052	9,828	6	2,300	15,993	133
Hydrogen .....	—	—	—	—	—	—	—
Biofuels .....	807	3,052	9,828	6	2,300	15,993	133
Fuel Ethanol .....	701	2,633	9,514	2	918	13,768	115
Biodiesel .....	106	419	314	4	1,382	2,225	19
Renewable Diesel Fuel .....	NA	NA	NA	NA	NA	NA	NA
Other Biofuels <sup>2</sup> .....	NA	NA	NA	NA	NA	NA	NA
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	237	7,558	38,699	1	303	46,798	390
Naphthas and Lighter .....	190	7,507	37,498	1	230	45,426	379
Kerosene and Light Gas Oils .....	47	51	1,201	0	73	1,372	11
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	96	626	5,744	1	459	6,925	58
Reformulated .....	4	—	1	—	6	12	0
Conventional .....	92	626	5,742	1	453	6,914	58
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>9,381</b>	<b>3,727</b>	<b>310,925</b>	<b>61</b>	<b>30,801</b>	<b>354,896</b>	<b>2,957</b>
Finished Motor Gasoline .....	170	1,281	94,382	4	4,344	100,180	835
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	170	1,281	94,382	4	4,344	100,180	835
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	92	54	18,187	—	2,308	20,641	172
Kerosene .....	9	1	1,072	—	8	1,090	9
Distillate Fuel Oil .....	3,638	526	128,018	0	7,742	139,924	1,166
15 ppm sulfur and under .....	2,847	3	109,949	0	5,735	118,533	988
Greater than 15 ppm to 500 ppm sulfur .....	569	89	9,046	—	780	10,483	87
Greater than 500 ppm sulfur .....	223	434	9,023	—	1,228	10,908	91
Residual Fuel Oil .....	765	0	8,969	—	2,859	12,593	105
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	968	771	8,696	54	1,304	11,793	98
Waxes .....	314	145	98	0	14	572	5
Petroleum Coke .....	3,045	754	50,055	—	12,092	65,947	550
Asphalt and Road Oil .....	307	188	1,366	3	130	1,993	17
Miscellaneous Products .....	73	6	82	—	1	163	1
<b>Total</b> .....	<b>43,538</b>	<b>52,522</b>	<b>966,708</b>	<b>285</b>	<b>41,411</b>	<b>1,104,463</b>	<b>9,204</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2022**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	—	—	211	—	—	—	—	0	0
Australia .....	—	2	—	3	—	0	0	0	—	0
Bahamas .....	—	21	—	0	—	68	68	—	—	—
Bahrain .....	—	—	—	0	—	—	—	—	—	—
Belgium .....	654	1,180	—	338	—	—	—	—	—	—
Belize .....	—	26	—	—	—	—	—	—	—	—
Brazil .....	4,173	696	—	3,161	—	1,118	1,118	—	—	—
Canada .....	9,833	7,330	—	1,826	—	773	773	—	1,134	1,134
Cayman Islands .....	—	4	—	—	—	10	10	—	—	—
Chile .....	—	1,891	—	2	—	1,259	1,259	0	—	0
China .....	5,845	7,739	—	4	—	—	—	—	—	—
Colombia .....	1,125	64	—	1,158	—	748	748	—	—	—
Costa Rica .....	—	254	—	24	—	600	600	—	—	—
Denmark .....	1,918	—	—	—	—	—	—	—	—	—
Dominican Republic .....	489	1,250	—	—	—	62	62	0	0	0
Ecuador .....	—	1,024	—	0	—	323	323	—	—	—
Egypt .....	—	1,197	—	0	—	—	—	—	—	—
El Salvador .....	—	237	—	0	—	711	711	—	—	—
Finland .....	—	640	—	0	—	—	—	—	—	—
France .....	3,757	421	—	341	—	—	—	—	—	—
Germany .....	4,583	1	—	4	—	—	—	—	—	—
Ghana .....	—	246	—	0	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	413	—	6	—	1,551	1,551	0	0	0
Honduras .....	—	396	—	9	—	584	584	—	—	—
Hong Kong .....	—	—	—	0	—	—	—	—	—	—
India .....	6,407	4,064	—	0	—	—	—	—	0	0
Indonesia .....	—	2,802	—	0	—	—	—	—	—	—
Ireland .....	625	—	—	—	—	1	1	—	—	—
Israel .....	—	—	—	0	—	—	—	—	—	—
Italy .....	4,108	—	—	8	—	—	—	—	—	—
Jamaica .....	—	18	—	0	—	68	68	0	—	0
Japan .....	—	8,818	—	1	—	0	0	2	—	2
Korea, South .....	5,999	6,387	—	8	—	1	1	0	0	1
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	4,988	—	952	—	16,695	16,695	—	814	814
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	1,288	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	11,333	1,570	—	2,478	—	1	1	—	—	—
New Zealand .....	—	—	—	0	—	—	—	—	—	—
Nicaragua .....	290	—	—	—	—	0	0	—	—	—
Nigeria .....	—	458	—	—	—	3	3	—	—	—
Norway .....	—	438	—	121	—	—	—	—	—	—
Pakistan .....	—	—	—	13	—	0	0	—	—	—
Panama .....	—	202	—	0	—	630	630	—	110	110
Peru .....	400	400	—	6	—	698	698	—	—	—
Philippines .....	—	0	—	—	—	—	—	—	—	—
Portugal .....	—	1,085	—	—	—	—	—	—	—	—
Puerto Rico .....	—	8	—	2	—	1	1	0	0	0
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	1	—	200	—	0	0	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	7,916	2,844	—	275	—	1	1	—	—	—
South Africa .....	—	557	—	3	—	—	—	0	—	0
Spain .....	7,136	1,365	—	—	—	—	—	—	—	—
Switzerland .....	—	767	—	0	—	—	—	—	0	0
Taiwan .....	4,825	—	—	1	—	0	0	—	—	—
Thailand .....	1,325	—	—	1	—	—	—	—	—	—
Trinidad and Tobago .....	—	0	—	0	—	0	0	—	—	—
Turkey .....	—	2,044	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	0	—	1	1	0	—	0
United Kingdom .....	11,316	2,620	—	0	—	1	1	—	—	—
Venezuela .....	—	0	—	—	—	—	—	—	—	—
Other .....	3,120	3,413	—	24	—	119	119	1	26	26
<b>Total .....</b>	<b>97,177</b>	<b>71,169</b>	<b>—</b>	<b>11,180</b>	<b>—</b>	<b>26,027</b>	<b>26,027</b>	<b>3</b>	<b>2,084</b>	<b>2,087</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2022**  
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel <sup>2</sup>	Other Biofuels <sup>2,3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina .....	—	—	NA	NA	1,668	265	—	—	1,933	—	—
Australia .....	0	0	NA	NA	2	—	—	—	2	—	—
Bahamas .....	—	—	NA	NA	642	72	110	—	824	0	—
Bahrain .....	0	—	NA	NA	—	—	—	—	—	—	—
Belgium .....	0	—	NA	NA	284	—	50	—	334	—	—
Belize .....	—	—	NA	NA	—	—	—	—	—	—	—
Brazil .....	716	—	NA	NA	5,969	328	135	—	6,433	—	—
Canada .....	956	408	NA	NA	0	285	186	—	471	4	—
Cayman Islands .....	—	—	NA	NA	22	—	—	—	22	—	—
Chile .....	84	—	NA	NA	4,670	443	—	—	5,113	—	—
China .....	0	—	NA	NA	2	—	0	—	2	—	—
Colombia .....	52	—	NA	NA	2,128	—	—	—	2,128	1	—
Costa Rica .....	0	—	NA	NA	874	21	—	—	895	0	—
Denmark .....	—	—	NA	NA	146	—	—	—	146	—	—
Dominican Republic .....	2	—	NA	NA	353	—	281	—	634	0	—
Ecuador .....	0	—	NA	NA	879	—	—	—	879	—	—
Egypt .....	—	—	NA	NA	—	—	—	—	—	—	—
El Salvador .....	—	—	NA	NA	101	133	—	—	234	—	—
Finland .....	—	—	NA	NA	—	—	—	—	—	—	—
France .....	33	—	NA	NA	590	—	—	—	590	—	—
Germany .....	0	3	NA	NA	0	—	—	—	0	—	—
Ghana .....	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar .....	—	—	NA	NA	280	—	—	—	280	—	—
Greece .....	33	—	NA	NA	—	—	—	—	—	—	—
Guatemala .....	—	—	NA	NA	698	81	135	—	915	0	—
Honduras .....	—	—	NA	NA	0	496	—	—	496	0	—
Hong Kong .....	—	—	NA	NA	—	—	—	—	—	—	—
India .....	284	0	NA	NA	2	—	—	—	2	—	—
Indonesia .....	0	0	NA	NA	—	—	—	—	—	—	—
Ireland .....	—	—	NA	NA	—	—	—	—	—	—	—
Israel .....	1	—	NA	NA	0	—	—	—	0	—	—
Italy .....	—	—	NA	NA	—	—	—	—	—	—	—
Jamaica .....	18	—	NA	NA	0	—	140	—	140	—	—
Japan .....	0	—	NA	NA	—	—	—	—	—	—	—
Korea, South .....	560	—	NA	NA	0	—	—	—	0	—	—
Lebanon .....	—	—	NA	NA	—	—	—	—	—	—	—
Mexico .....	125	1	NA	NA	11,617	263	95	—	11,975	2	—
Montenegro .....	—	—	NA	NA	—	—	—	—	—	—	—
Morocco .....	0	—	NA	NA	—	—	—	—	—	—	—
Mozambique .....	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands .....	329	37	NA	NA	305	—	307	—	612	—	—
New Zealand .....	—	—	NA	NA	—	—	—	—	—	0	—
Nicaragua .....	0	—	NA	NA	—	188	—	—	188	30	—
Nigeria .....	136	—	NA	NA	—	—	—	—	—	—	—
Norway .....	—	—	NA	NA	—	—	—	—	—	—	—
Pakistan .....	—	—	NA	NA	—	—	—	—	—	—	—
Panama .....	0	—	NA	NA	1,770	65	108	—	1,943	2	—
Peru .....	214	48	NA	NA	3,017	—	—	—	3,017	—	—
Philippines .....	—	—	NA	NA	—	—	—	—	—	—	—
Portugal .....	—	—	NA	NA	—	—	—	—	—	—	—
Puerto Rico .....	3	—	NA	NA	84	—	—	—	84	—	—
Romania .....	—	—	NA	NA	—	—	—	—	—	—	—
Saudi Arabia .....	40	—	NA	NA	—	—	—	—	—	0	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore .....	453	87	NA	NA	379	—	—	—	379	—	—
South Africa .....	—	—	NA	NA	0	—	—	—	0	—	—
Spain .....	—	—	NA	NA	—	—	—	—	—	—	—
Switzerland .....	3	—	NA	NA	—	275	—	—	275	—	—
Taiwan .....	0	—	NA	NA	—	—	—	—	—	—	—
Thailand .....	—	—	NA	NA	—	—	—	—	—	—	—
Trinidad and Tobago .....	0	—	NA	NA	441	—	—	—	441	—	—
Turkey .....	24	—	NA	NA	—	—	—	—	—	—	—
United Arab Emirates .....	1	—	NA	NA	—	—	—	—	—	0	—
United Kingdom .....	305	—	NA	NA	50	300	—	—	350	—	—
Venezuela .....	0	—	NA	NA	1	—	—	—	1	—	—
Other .....	42	—	NA	NA	896	96	181	—	1,172	3	—
<b>Total .....</b>	<b>4,414</b>	<b>584</b>	<b>NA</b>	<b>NA</b>	<b>37,870</b>	<b>3,311</b>	<b>1,728</b>	<b>—</b>	<b>42,910</b>	<b>42</b>	<b>—</b>

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2022**  
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina .....	—	36	—	—	—	—	0	203
Australia .....	—	—	—	—	—	—	1	241
Bahamas .....	—	133	—	608	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	0	41
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	1	2,202
Canada .....	—	505	—	27	—	—	117	480
Cayman Islands .....	—	47	—	0	—	—	—	—
Chile .....	—	551	—	0	—	—	1	0
China .....	—	0	—	3	—	—	4	3,936
Colombia .....	—	200	—	—	—	—	0	—
Costa Rica .....	—	170	—	70	—	—	0	0
Denmark .....	—	—	—	—	—	—	—	292
Dominican Republic .....	—	125	—	—	—	—	0	—
Ecuador .....	—	—	—	1	—	—	0	204
Egypt .....	—	—	—	—	—	—	—	—
El Salvador .....	—	55	—	0	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	0	146
Germany .....	—	—	—	1	—	—	1	358
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	137	—	—	—	—
Greece .....	—	—	—	0	—	—	—	165
Guatemala .....	—	71	—	0	—	—	0	452
Honduras .....	—	73	—	—	—	—	0	—
Hong Kong .....	—	—	—	—	—	—	0	—
India .....	—	—	—	0	—	—	2	323
Indonesia .....	—	—	—	—	—	—	0	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	333	—	0	—	—	0	0
Italy .....	—	—	—	—	—	—	0	625
Jamaica .....	—	80	—	—	—	—	0	—
Japan .....	—	—	—	0	—	—	1	1,021
Korea, South .....	—	0	—	240	—	—	0	0
Lebanon .....	—	0	—	—	—	—	—	—
Mexico .....	—	2,804	—	272	—	—	15	1,653
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	454
Mozambique .....	—	—	—	—	—	—	—	144
Netherlands .....	—	—	—	86	—	—	1	566
New Zealand .....	—	—	—	—	—	—	—	94
Nicaragua .....	—	30	—	—	—	—	—	66
Nigeria .....	—	0	—	—	—	—	0	—
Norway .....	—	—	—	—	—	—	—	44
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	—	553	—	535	—	—	—	99
Peru .....	—	15	—	—	—	—	0	0
Philippines .....	—	—	—	—	—	—	0	0
Portugal .....	—	—	—	—	—	—	—	193
Puerto Rico .....	—	140	—	—	—	—	0	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	0	33
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	266	—	—	—	—
South Africa .....	—	—	—	—	—	—	0	88
Spain .....	—	—	—	—	—	—	1	775
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	0	—	—	—	—	0	0
Thailand .....	—	—	—	0	—	—	0	0
Trinidad and Tobago .....	—	—	—	—	—	—	—	0
Turkey .....	—	—	—	—	—	—	0	1,720
United Arab Emirates .....	—	—	—	—	—	—	0	—
United Kingdom .....	—	60	—	—	—	—	0	72
Venezuela .....	—	—	—	—	—	—	—	—
Other .....	—	497	—	767	—	—	2	439
<b>Total .....</b>	<b>—</b>	<b>6,478</b>	<b>—</b>	<b>3,013</b>	<b>—</b>	<b>—</b>	<b>147</b>	<b>17,129</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2022**  
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina .....	93	13	—	2,489	2,489	—	83	83
Australia .....	0	9	0	258	258	—	9	9
Bahamas .....	1	1	2	1,658	1,658	—	55	55
Bahrain .....	—	0	—	0	0	—	0	0
Belgium .....	1	419	2	2,314	2,969	22	77	99
Belize .....	—	0	—	27	27	—	1	1
Brazil .....	0	294	1	14,621	18,794	139	487	626
Canada .....	78	335	8	14,453	24,286	328	482	810
Cayman Islands .....	1	1	—	85	85	—	3	3
Chile .....	30	78	0	9,010	9,010	—	300	300
China .....	0	15	1	11,705	17,549	195	390	585
Colombia .....	0	56	0	4,408	5,533	38	147	184
Costa Rica .....	1	23	0	2,036	2,036	—	68	68
Denmark .....	—	0	—	438	2,356	64	15	79
Dominican Republic .....	33	18	0	2,125	2,614	16	71	87
Ecuador .....	0	87	9	2,528	2,528	—	84	84
Egypt .....	—	0	—	1,197	1,197	—	40	40
El Salvador .....	0	9	—	1,246	1,246	—	42	42
Finland .....	—	0	—	641	641	—	21	21
France .....	—	48	—	1,580	5,337	125	53	178
Germany .....	5	2	0	375	4,958	153	12	165
Ghana .....	—	0	—	247	247	—	8	8
Gibraltar .....	—	—	—	417	417	—	14	14
Greece .....	—	—	—	198	198	—	7	7
Guatemala .....	—	25	—	3,432	3,432	—	114	114
Honduras .....	42	12	—	1,613	1,613	—	54	54
Hong Kong .....	—	1	0	1	1	—	0	0
India .....	0	101	0	4,777	11,184	214	159	373
Indonesia .....	—	1	—	2,804	2,804	—	93	93
Ireland .....	—	—	0	1	626	21	0	21
Israel .....	—	1	—	335	335	—	11	11
Italy .....	—	2	—	634	4,742	137	21	158
Jamaica .....	—	9	0	334	334	—	11	11
Japan .....	0	5	6	9,855	9,855	—	329	329
Korea, South .....	—	6	0	7,203	13,202	200	240	440
Lebanon .....	—	0	—	0	0	—	0	0
Mexico .....	91	651	21	41,058	41,058	—	1,369	1,369
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	0	—	1,742	1,742	—	58	58
Mozambique .....	—	—	—	144	144	—	5	5
Netherlands .....	1	103	0	5,783	17,116	378	193	571
New Zealand .....	100	0	—	194	194	—	6	6
Nicaragua .....	—	5	—	319	609	10	11	20
Nigeria .....	—	22	—	620	620	—	21	21
Norway .....	—	0	—	603	603	—	20	20
Pakistan .....	—	0	—	14	14	—	0	0
Panama .....	—	26	—	4,100	4,100	—	137	137
Peru .....	—	90	0	4,489	4,889	13	150	163
Philippines .....	—	1	0	1	1	—	0	0
Portugal .....	—	0	—	1,278	1,278	—	43	43
Puerto Rico .....	0	21	0	260	260	—	9	9
Romania .....	—	0	—	0	0	—	0	0
Saudi Arabia .....	—	5	0	280	280	—	9	9
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	0	3	0	4,308	12,224	264	144	407
South Africa .....	0	114	—	762	762	—	25	25
Spain .....	—	3	—	2,144	9,279	238	71	309
Switzerland .....	—	0	—	1,046	1,046	—	35	35
Taiwan .....	—	5	—	6	4,831	161	0	161
Thailand .....	0	2	0	3	1,328	44	0	44
Trinidad and Tobago .....	—	5	0	447	447	—	15	15
Turkey .....	0	81	—	3,869	3,869	—	129	129
United Arab Emirates .....	2	57	—	61	61	—	2	2
United Kingdom .....	0	1	0	3,410	14,727	377	114	491
Venezuela .....	—	9	—	10	10	—	0	0
Other .....	83	77	2	6,651	9,772	102	221	326
<b>Total .....</b>	<b>562</b>	<b>2,852</b>	<b>52</b>	<b>188,647</b>	<b>285,825</b>	<b>3,239</b>	<b>6,288</b>	<b>9,527</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2022**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	0	—	1,058	—	275	275	—	0	0
Australia .....	1,571	579	—	13	—	0	0	1	—	1
Bahamas .....	460	135	—	50	—	1,032	1,032	—	1	1
Bahrain .....	—	—	—	0	—	0	0	—	—	—
Belgium .....	947	6,615	—	2,087	—	0	0	—	0	0
Belize .....	—	59	—	—	—	—	—	—	—	—
Brazil .....	12,594	3,377	—	11,421	—	3,654	3,654	—	—	—
Canada .....	36,556	30,669	—	7,581	—	2,000	2,000	—	2,462	2,462
Cayman Islands .....	—	20	—	—	—	118	118	—	0	0
Chile .....	120	4,553	—	222	—	3,756	3,756	0	158	158
China .....	26,287	29,755	—	14	—	0	0	—	0	0
Colombia .....	3,280	276	—	4,048	—	3,802	3,802	—	—	—
Costa Rica .....	—	842	—	39	—	2,413	2,413	—	0	0
Denmark .....	6,408	—	—	—	—	0	0	0	—	0
Dominican Republic .....	1,890	4,350	—	0	—	1,337	1,337	0	200	200
Ecuador .....	—	4,187	—	323	—	3,381	3,381	—	9	9
Egypt .....	—	5,331	—	0	—	—	—	—	—	—
El Salvador .....	—	1,205	—	1	—	2,223	2,223	—	—	—
Finland .....	—	1,288	—	120	—	—	—	—	—	—
France .....	22,260	2,283	—	408	—	1	1	—	—	—
Germany .....	10,225	4	—	12	—	—	—	—	—	—
Ghana .....	—	677	—	0	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	1	1	—	—	—
Guatemala .....	—	1,239	—	15	—	5,596	5,596	0	0	0
Honduras .....	—	1,969	—	12	—	2,244	2,244	—	0	0
Hong Kong .....	—	—	—	0	—	0	0	—	—	—
India .....	41,807	18,769	—	20	—	0	0	0	0	0
Indonesia .....	—	9,877	—	1	—	—	—	—	—	—
Ireland .....	5,067	—	—	—	—	1	1	—	—	—
Israel .....	—	1	—	0	—	—	—	—	—	—
Italy .....	17,690	511	—	14	—	—	—	—	—	—
Jamaica .....	—	99	—	0	—	754	754	0	—	0
Japan .....	1,002	47,230	—	665	—	2	2	4	—	4
Korea, South .....	34,676	18,317	—	526	—	508	508	3	3	5
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	26,265	—	2,442	—	57,655	57,655	0	3,549	3,549
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	4,577	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	33,861	8,893	—	8,760	—	3	3	—	—	—
New Zealand .....	—	1	—	0	—	—	—	—	—	—
Nicaragua .....	852	50	—	—	—	97	97	—	—	—
Nigeria .....	—	1,495	—	0	—	980	980	—	—	—
Norway .....	2,285	3,907	—	222	—	—	—	—	—	—
Pakistan .....	—	—	—	13	—	0	0	—	—	—
Panama .....	825	814	—	1	—	2,598	2,598	—	193	193
Peru .....	1,125	891	—	449	—	4,064	4,064	—	—	—
Philippines .....	—	0	—	0	—	—	—	—	—	—
Portugal .....	2,170	3,192	—	—	—	—	—	—	—	—
Puerto Rico .....	—	25	—	12	—	7	7	0	0	1
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	1	—	1,978	—	2	2	—	0	0
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	39,416	8,203	—	284	—	3	3	—	0	0
South Africa .....	—	1,114	—	3	—	321	321	0	—	0
Spain .....	18,156	4,243	—	—	—	—	—	—	—	—
Switzerland .....	728	2,766	—	843	—	—	—	—	310	310
Taiwan .....	20,375	—	—	2,162	—	1	1	—	—	—
Thailand .....	4,930	—	—	5	—	—	—	—	—	—
Trinidad and Tobago .....	—	3	—	1	—	275	275	—	—	—
Turkey .....	—	5,592	—	—	—	0	0	—	—	—
United Arab Emirates .....	—	—	—	1	—	3	3	0	—	0
United Kingdom .....	35,420	7,193	—	420	—	3	3	0	—	0
Venezuela .....	—	2	—	1	—	4	4	0	0	0
Other .....	13,491	9,932	—	551	—	1,066	1,066	4	29	32
<b>Total .....</b>	<b>396,474</b>	<b>283,376</b>	<b>—</b>	<b>46,798</b>	<b>—</b>	<b>100,180</b>	<b>100,180</b>	<b>12</b>	<b>6,914</b>	<b>6,925</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2022**  
(Thousand Barrels) — Continued

Destination	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel <sup>2</sup>	Other Biofuels <sup>2,3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
Argentina .....	0	—	NA	NA	4,606	265	924	—	5,795	0	—
Australia .....	0	0	NA	NA	2	—	—	—	2	—	—
Bahamas .....	0	0	NA	NA	2,168	112	680	—	2,960	0	—
Bahrain .....	0	—	NA	NA	—	—	—	—	—	0	—
Belgium .....	0	0	NA	NA	773	—	94	—	867	—	—
Belize .....	—	—	NA	NA	40	25	—	—	65	—	—
Brazil .....	1,230	—	NA	NA	13,876	1,121	935	—	15,932	401	—
Canada .....	3,378	805	NA	NA	4	430	460	—	894	149	—
Cayman Islands .....	0	—	NA	NA	483	—	—	—	483	—	—
Chile .....	86	—	NA	NA	15,675	593	300	—	16,568	0	—
China .....	1	—	NA	NA	8	—	1	—	10	0	—
Colombia .....	141	—	NA	NA	6,777	—	—	—	6,777	5	—
Costa Rica .....	1	—	NA	NA	3,071	21	—	—	3,092	0	—
Denmark .....	—	—	NA	NA	464	—	—	—	464	—	—
Dominican Republic .....	4	—	NA	NA	919	15	904	—	1,838	0	—
Ecuador .....	0	—	NA	NA	3,781	571	406	—	4,758	1	—
Egypt .....	34	—	NA	NA	—	—	—	—	—	—	—
El Salvador .....	—	—	NA	NA	897	437	341	—	1,675	—	—
Finland .....	—	—	NA	NA	—	—	—	—	—	—	—
France .....	33	—	NA	NA	591	—	—	—	591	0	—
Germany .....	1	7	NA	NA	0	—	—	—	0	—	—
Ghana .....	—	—	NA	NA	—	—	—	—	—	—	—
Gibraltar .....	31	—	NA	NA	280	—	—	—	280	—	—
Greece .....	66	—	NA	NA	—	—	—	—	—	—	—
Guatemala .....	—	—	NA	NA	3,143	990	697	—	4,830	0	—
Honduras .....	0	—	NA	NA	1,641	856	222	—	2,719	150	—
Hong Kong .....	0	—	NA	NA	—	—	—	—	—	—	—
India .....	1,676	0	NA	NA	3	—	—	—	3	—	—
Indonesia .....	0	0	NA	NA	2	—	—	—	2	—	—
Ireland .....	0	—	NA	NA	—	—	—	—	—	—	—
Israel .....	2	—	NA	NA	0	—	—	—	0	0	—
Italy .....	—	—	NA	NA	—	—	—	—	—	—	—
Jamaica .....	150	—	NA	NA	152	70	394	—	616	0	—
Japan .....	1	—	NA	NA	0	—	—	—	0	0	—
Korea, South .....	1,876	—	NA	NA	4	165	—	—	169	0	—
Lebanon .....	—	—	NA	NA	—	—	—	—	—	—	—
Mexico .....	772	1	NA	NA	31,558	813	533	—	32,904	10	—
Montenegro .....	—	—	NA	NA	—	—	—	—	—	—	—
Morocco .....	0	—	NA	NA	—	—	—	—	—	—	—
Mozambique .....	—	—	NA	NA	—	—	—	—	—	—	—
Netherlands .....	841	95	NA	NA	1,453	354	954	—	2,762	0	—
New Zealand .....	—	—	NA	NA	0	—	—	—	0	0	—
Nicaragua .....	0	—	NA	NA	—	549	415	—	964	361	—
Nigeria .....	513	—	NA	NA	1	121	—	—	122	—	—
Norway .....	—	—	NA	NA	317	—	—	—	317	—	—
Pakistan .....	—	—	NA	NA	—	—	—	—	—	—	—
Panama .....	0	—	NA	NA	6,889	907	380	—	8,176	5	—
Peru .....	470	94	NA	NA	10,338	316	50	—	10,704	0	—
Philippines .....	389	—	NA	NA	—	—	—	—	—	—	—
Portugal .....	—	—	NA	NA	—	—	—	—	—	—	—
Puerto Rico .....	20	—	NA	NA	376	0	—	—	376	1	—
Romania .....	—	—	NA	NA	—	—	—	—	—	—	—
Saudi Arabia .....	162	0	NA	NA	1	—	—	—	1	2	—
Serbia (Excludes Kosovo) ..	—	—	NA	NA	—	—	—	—	—	—	—
Singapore .....	742	1,222	NA	NA	1,928	—	440	—	2,368	—	—
South Africa .....	—	—	NA	NA	0	—	—	—	0	—	—
Spain .....	—	—	NA	NA	250	—	—	—	250	—	—
Switzerland .....	5	—	NA	NA	—	275	—	—	275	—	—
Taiwan .....	1	—	NA	NA	—	—	—	—	—	0	—
Thailand .....	0	—	NA	NA	—	—	—	—	—	—	—
Trinidad and Tobago .....	1	—	NA	NA	1,361	—	610	—	1,971	—	—
Turkey .....	24	—	NA	NA	1	—	—	—	1	—	—
United Arab Emirates .....	185	—	NA	NA	0	—	—	—	0	1	—
United Kingdom .....	689	—	NA	NA	1,348	300	—	—	1,648	1	—
Venezuela .....	0	—	NA	NA	2	—	—	—	2	—	—
Other .....	243	1	NA	NA	3,350	1,177	1,168	—	5,693	3	—
<b>Total .....</b>	<b>13,768</b>	<b>2,225</b>	<b>NA</b>	<b>NA</b>	<b>118,533</b>	<b>10,483</b>	<b>10,908</b>	<b>—</b>	<b>139,924</b>	<b>1,090</b>	<b>—</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2022**  
(Thousand Barrels) — Continued

Destination	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks		Waxes	Petroleum Coke
					Naphtha	Other Oils		
Argentina .....	—	68	—	30	—	—	1	359
Australia .....	—	—	—	—	—	—	4	901
Bahamas .....	—	235	—	2,704	—	—	—	—
Bahrain .....	—	—	—	—	—	—	0	—
Belgium .....	—	—	—	—	—	—	0	269
Belize .....	—	7	—	—	—	—	—	—
Brazil .....	—	—	—	0	—	—	2	7,591
Canada .....	—	2,864	—	1,179	—	—	424	1,529
Cayman Islands .....	—	102	—	0	—	—	—	—
Chile .....	—	1,856	—	315	—	—	2	462
China .....	—	0	—	12	—	—	16	13,165
Colombia .....	—	441	—	0	—	—	1	1
Costa Rica .....	—	674	—	70	—	—	0	347
Denmark .....	—	—	—	—	—	—	—	292
Dominican Republic .....	—	907	—	472	—	—	2	372
Ecuador .....	—	9	—	2	—	—	0	625
Egypt .....	—	—	—	—	—	—	—	711
El Salvador .....	—	247	—	0	—	—	0	273
Finland .....	—	—	—	—	—	—	—	278
France .....	—	—	—	—	—	—	1	433
Germany .....	—	—	—	1	—	—	7	358
Ghana .....	—	—	—	—	—	—	—	46
Gibraltar .....	—	—	—	137	—	—	—	—
Greece .....	—	—	—	0	—	—	—	1,214
Guatemala .....	—	182	—	0	—	—	1	1,198
Honduras .....	—	320	—	—	—	—	0	1,146
Hong Kong .....	—	—	—	—	—	—	0	—
India .....	—	0	—	1	—	—	6	4,873
Indonesia .....	—	—	—	—	—	—	0	—
Ireland .....	—	—	—	—	—	—	0	199
Israel .....	—	667	—	0	—	—	0	272
Italy .....	—	—	—	—	—	—	1	2,479
Jamaica .....	—	258	—	—	—	—	0	0
Japan .....	—	0	—	1	—	—	3	4,502
Korea, South .....	—	0	—	630	—	—	1	1
Lebanon .....	—	0	—	—	—	—	—	116
Mexico .....	—	6,976	—	1,028	—	—	71	6,800
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	1,919
Mozambique .....	—	—	—	—	—	—	—	350
Netherlands .....	—	100	—	86	—	—	17	1,976
New Zealand .....	—	—	—	—	—	—	0	94
Nicaragua .....	—	70	—	—	—	—	0	66
Nigeria .....	—	0	—	—	—	—	0	—
Norway .....	—	—	—	—	—	—	—	340
Pakistan .....	—	—	—	—	—	—	0	—
Panama .....	—	1,688	—	2,561	—	—	0	99
Peru .....	—	737	—	20	—	—	0	0
Philippines .....	—	—	—	—	—	—	0	541
Portugal .....	—	—	—	—	—	—	0	560
Puerto Rico .....	—	140	—	—	—	—	0	—
Romania .....	—	—	—	—	—	—	0	116
Saudi Arabia .....	—	1	—	5	—	—	0	47
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	1,583	—	—	0	303
South Africa .....	—	—	—	0	—	—	0	184
Spain .....	—	—	—	—	—	—	3	1,489
Switzerland .....	—	—	—	—	—	—	0	—
Taiwan .....	—	0	—	—	—	—	0	0
Thailand .....	—	—	—	0	—	—	0	50
Trinidad and Tobago .....	—	780	—	0	—	—	0	1
Turkey .....	—	—	—	—	—	—	0	4,568
United Arab Emirates .....	—	—	—	0	—	—	0	133
United Kingdom .....	—	60	—	—	—	—	1	72
Venezuela .....	—	—	—	—	—	—	0	—
Other .....	—	1,252	—	1,756	—	—	8	2,227
<b>Total .....</b>	<b>—</b>	<b>20,641</b>	<b>—</b>	<b>12,593</b>	<b>—</b>	<b>—</b>	<b>572</b>	<b>65,947</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2022**  
(Thousand Barrels) — Continued

Destination	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
						Crude Oil	Products	Total
Argentina .....	208	76	0	7,871	7,871	—	66	66
Australia .....	2	26	1	1,531	3,102	13	13	26
Bahamas .....	5	9	2	7,133	7,593	4	59	63
Bahrain .....	—	0	—	1	1	—	0	0
Belgium .....	1	1,523	5	11,366	12,313	8	95	103
Belize .....	—	4	—	135	135	—	1	1
Brazil .....	1	1,162	2	44,773	57,367	105	373	478
Canada .....	456	1,362	28	55,780	92,336	305	465	769
Cayman Islands .....	4	4	0	731	731	—	6	6
Chile .....	202	333	0	28,514	28,633	1	238	239
China .....	4	47	3	43,025	69,312	219	359	578
Colombia .....	2	403	1	15,896	19,176	27	132	160
Costa Rica .....	138	64	0	7,680	7,680	—	64	64
Denmark .....	—	0	—	756	7,164	53	6	60
Dominican Republic .....	83	99	1	9,665	11,555	16	81	96
Ecuador .....	0	247	9	13,550	13,550	—	113	113
Egypt .....	—	2	—	6,079	6,079	—	51	51
El Salvador .....	0	85	—	5,709	5,709	—	48	48
Finland .....	—	1	—	1,688	1,688	—	14	14
France .....	—	322	—	4,071	26,331	185	34	219
Germany .....	10	10	3	413	10,638	85	3	89
Ghana .....	—	2	—	725	725	—	6	6
Gibraltar .....	—	—	—	448	448	—	4	4
Greece .....	—	0	—	1,280	1,280	—	11	11
Guatemala .....	0	87	—	13,148	13,148	—	110	110
Honduras .....	42	46	0	8,650	8,650	—	72	72
Hong Kong .....	—	4	0	5	5	—	0	0
India .....	1	608	1	25,959	67,766	348	216	565
Indonesia .....	1	3	0	9,885	9,885	—	82	82
Ireland .....	—	0	1	201	5,268	42	2	44
Israel .....	—	4	0	946	946	—	8	8
Italy .....	—	6	0	3,011	20,700	147	25	173
Jamaica .....	0	21	0	1,899	1,899	—	16	16
Japan .....	6	42	21	52,477	53,479	8	437	446
Korea, South .....	1	28	1	22,066	56,742	289	184	473
Lebanon .....	—	1	—	117	117	—	1	1
Mexico .....	494	3,341	61	142,369	142,369	—	1,186	1,186
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	0	—	6,497	6,497	—	54	54
Mozambique .....	—	1	—	351	351	—	3	3
Netherlands .....	2	114	1	23,649	57,510	282	197	479
New Zealand .....	100	2	—	196	196	—	2	2
Nicaragua .....	—	16	—	1,624	2,476	7	14	21
Nigeria .....	1	408	—	3,518	3,518	—	29	29
Norway .....	—	1	—	4,787	7,071	19	40	59
Pakistan .....	—	0	0	14	14	—	0	0
Panama .....	79	84	0	16,299	17,124	7	136	143
Peru .....	0	311	0	17,740	18,865	9	148	157
Philippines .....	—	3	0	934	934	—	8	8
Portugal .....	—	0	—	3,751	5,921	18	31	49
Puerto Rico .....	55	80	0	718	718	—	6	6
Romania .....	—	1	—	117	117	—	1	1
Saudi Arabia .....	0	19	0	2,217	2,217	—	18	18
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	1	70	0	14,777	54,193	328	123	452
South Africa .....	0	131	—	1,753	1,753	—	15	15
Spain .....	—	7	—	5,993	24,148	151	50	201
Switzerland .....	—	1	0	4,199	4,927	6	35	41
Taiwan .....	1	18	0	2,184	22,559	170	18	188
Thailand .....	0	10	0	66	4,996	41	1	42
Trinidad and Tobago .....	—	34	0	3,066	3,066	—	26	26
Turkey .....	0	122	—	10,309	10,309	—	86	86
United Arab Emirates .....	4	117	—	445	445	—	4	4
United Kingdom .....	1	5	0	10,092	45,512	295	84	379
Venezuela .....	—	27	—	36	36	—	0	0
Other .....	88	239	22	23,104	36,599	116	190	301
<b>Total .....</b>	<b>1,993</b>	<b>11,793</b>	<b>163</b>	<b>707,989</b>	<b>1,104,463</b>	<b>3,304</b>	<b>5,900</b>	<b>9,204</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> EIA is unable to report exports of renewable diesel fuel and other biofuels because of limitations of product classification information available in export data from the U.S. Census Bureau.

<sup>3</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2022**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins <sup>2</sup>	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>891</b>	<b>-12</b>	<b>-</b>	<b>248</b>	<b>-</b>	<b>10</b>	<b>10</b>	<b>9</b>	<b>55</b>	<b>64</b>
Algeria .....	-	-	-	38	-	-	-	-	-	-
Angola .....	19	0	-	-	-	-	-	-	5	5
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	2	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	218	-	-	50	-	-	-	-	-	-
Kuwait .....	26	-	-	22	-	0	0	-	-	-
Libya .....	82	-	-	-	-	-	-	-	-	-
Nigeria .....	75	-14	-	9	-	0	0	-	10	10
Saudi Arabia .....	413	0	-	51	-	10	10	9	40	49
United Arab Emirates .....	58	-	-	77	-	0	0	0	-	0
Venezuela .....	-	0	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>1,929</b>	<b>-2,225</b>	<b>19</b>	<b>55</b>	<b>-</b>	<b>-764</b>	<b>-764</b>	<b>189</b>	<b>260</b>	<b>449</b>
Argentina .....	83	-	-	-7	-	1	1	-	7	7
Aruba .....	-	-	-	-	-	-2	-2	-	0	0
Australia .....	-	0	-	0	-	0	0	0	-	0
Bahamas .....	-	-1	-	0	-	3	3	-	10	10
Bahrain .....	-	-	-	0	-	-	-	-	-	-
Belgium .....	-22	-39	-	-11	-	11	11	-	-	-
Brazil .....	-25	-23	-	-83	-	-37	-37	-	2	2
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	3,354	-113	19	-34	-	-11	-11	73	11	84
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-195	-258	-	0	-	-	-	-	-	-
Colombia .....	222	-2	-	-37	-	-25	-25	-	-	-
Denmark .....	-64	-	-	-	-	-	-	-	-	-
Dominican Republic .....	-16	-42	-	-	-	-2	-2	0	0	0
Ecuador .....	132	-34	-	0	-	-11	-11	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-21	-	3	-	-	-	-	21	21
France .....	-125	-14	-	6	-	2	2	-	8	8
Germany .....	-153	0	-	0	-	2	2	-	2	2
Guatemala .....	10	-14	-	0	-	-52	-52	0	0	0
Honduras .....	-	-13	-	0	-	-19	-19	-	-	-
India .....	-214	-135	-	0	-	1	1	11	77	88
Indonesia .....	-	-93	-	0	-	-	-	-	-	-
Italy .....	-137	-	-	0	-	14	14	-	13	13
Japan .....	-	-294	-	7	-	0	0	0	4	3
Korea, South .....	-200	-213	-	0	-	12	12	0	15	15
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	18	18	-	10	10
Malaysia .....	-	-	-	0	-	-	-	-	-	-
Mexico .....	599	-166	1	31	-	-557	-557	-	-19	-19
Netherlands .....	-378	-52	-	-83	-	4	4	40	9	49
Norway .....	44	-15	-	-4	-	-	-	6	4	10
Oman .....	-	-	-	-	-	-	-	-	-	-
Panama .....	-	-7	-	0	-	-21	-21	-	-4	-4
Portugal .....	-	-36	-	-	-	8	8	-	9	9
Puerto Rico .....	-	0	-	0	-	0	0	0	0	0
Qatar .....	-	0	-	-	-	0	0	0	0	0
Russia .....	24	-	-	274	-	2	2	-	5	5
Spain .....	-238	-46	-	-	-	3	3	4	11	15
Sweden .....	-50	-47	-	-	-	0	0	-	0	0
Trinidad and Tobago .....	70	0	-	0	-	1	1	-	-	-
United Kingdom .....	-364	-87	-	0	-	0	0	51	4	55
Vietnam .....	-	-18	-	0	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	0	-	-	-	0	0	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-428	-442	-1	-7	-	-109	-109	4	61	66
<b>Total</b> .....	<b>2,820</b>	<b>-2,237</b>	<b>19</b>	<b>303</b>	<b>-</b>	<b>-754</b>	<b>-754</b>	<b>197</b>	<b>315</b>	<b>513</b>
<b>Persian Gulf<sup>5</sup></b> .....	<b>715</b>	<b>0</b>	<b>-</b>	<b>200</b>	<b>-</b>	<b>11</b>	<b>11</b>	<b>9</b>	<b>40</b>	<b>49</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel <sup>2</sup>	Other Biofuels <sup>2,3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b>	-6	-	-	-	0	-	-	-	0	0	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-5	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-1	-	-	-	-	-	-	-	-	0	-
United Arab Emirates	0	-	-	-	-	-	-	-	-	0	-
Venezuela	0	-	-	-	0	-	-	-	0	-	-
<b>Non-OPEC</b>	-141	3	13	2	-1,134	-110	-57	-	-1,302	-1	0
Argentina	-	-	-	-	-56	-9	-	-	-64	-	-
Aruba	0	-	-	-	-1	-	-	-	-1	-	-
Australia	0	0	-	-	0	-	-	-	0	-	-
Bahamas	-	-	-	-	-21	-2	-4	-	-27	0	-
Bahrain	0	-	-	-	-	-	-	-	-	-	-
Belgium	0	-	-	-	-9	-	-2	-	-11	-	-
Brazil	-24	-	-	-	-199	-11	-5	-	-214	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-32	-7	-	-	120	-9	-6	-	104	0	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	-	-	-	0	-	0	-	0	-	-
Colombia	-2	-	-	-	-71	-	-	-	-71	0	-
Denmark	-	-	-	-	-5	-	-	-	-5	-	-
Dominican Republic	0	-	-	-	-12	-	-9	-	-21	0	-
Ecuador	0	-	-	-	-29	-	-	-	-29	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	2	-	-	-	-	-	-	-
France	-1	-	-	-	-20	-	-	-	-20	-	-
Germany	0	10	-	-	0	-	-	-	0	-	-
Guatemala	-	-	-	-	-23	-3	-5	-	-30	0	-
Honduras	-	-	-	-	0	-17	-	-	-17	0	-
India	-9	0	-	-	0	-	-	-	0	-	-
Indonesia	0	0	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	-	-	-	-	-	-	-
Korea, South	-19	-	-	-	8	-	-	-	8	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	0	-	-	-	-	-	-	-	-	-	-
Mexico	-4	0	-	-	-387	-9	-3	-	-399	0	-
Netherlands	-11	-1	2	-	-10	-	-10	-	-20	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Panama	0	-	-	-	-59	-2	-4	-	-65	0	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	-	-3	-	-	-	-3	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	6	-	-	-	-	-	-	-	-	-
Sweden	-1	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	0	-	-	-	-15	-	-	-	-15	-	-
United Kingdom	-10	-	-	-	-2	-10	-	-	-12	-	-
Vietnam	-	-	-	-	0	-	-	-	0	-	-
Virgin Islands, U.S.	-	-	-	-	-3	-	-2	-	-5	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-28	-5	11	0	-337	-38	-7	-	-385	-1	0
<b>Total</b>	-147	3	13	2	-1,134	-110	-57	-	-1,302	-1	0
<b>Persian Gulf<sup>5</sup></b>	-1	-	-	-	-	-	-	-	-	0	-

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks <sup>2</sup>		Waxes	Petroleum Coke
					Naphtha	Other Oils		
<b>OPEC</b> .....	—	6	—	9	—	—	0	-1
Algeria .....	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	0	—
Kuwait .....	—	6	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—
Nigeria .....	—	0	—	—	—	—	0	—
Saudi Arabia .....	—	—	—	7	—	—	0	-1
United Arab Emirates .....	—	—	—	—	—	—	0	—
Venezuela .....	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	-99	8	118	15	3	2	-561
Argentina .....	—	-1	—	—	—	1	0	-3
Aruba .....	—	-3	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	0	-8
Bahamas .....	—	-4	—	-15	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	0	-1
Brazil .....	—	—	—	0	—	—	0	-73
Brunei .....	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	-2
Canada .....	—	-2	3	4	3	2	-1	-15
Chad .....	—	—	—	—	—	—	—	—
China .....	—	10	—	0	—	—	2	-131
Colombia .....	—	-7	—	0	—	—	0	—
Denmark .....	—	—	—	—	—	—	—	-10
Dominican Republic .....	—	-4	—	—	—	—	0	—
Ecuador .....	—	—	—	0	—	—	0	-7
Estonia .....	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	0	0	-5
Germany .....	—	—	—	0	—	—	0	-7
Guatemala .....	—	-2	—	0	—	—	0	-15
Honduras .....	—	-2	—	—	—	—	0	—
India .....	—	19	—	0	—	—	0	-11
Indonesia .....	—	—	—	—	—	—	0	—
Italy .....	—	—	—	—	—	—	0	-21
Japan .....	—	7	—	0	1	—	0	-34
Korea, South .....	—	63	4	-8	—	—	0	0
Latvia .....	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	17	—	—	—	—
Malaysia .....	—	—	—	—	—	—	0	—
Mexico .....	—	-93	1	109	—	—	0	-55
Netherlands .....	—	—	—	-3	—	—	0	-19
Norway .....	—	—	—	—	—	—	—	-1
Oman .....	—	—	—	—	—	—	—	-3
Panama .....	—	-18	—	-18	—	—	—	-3
Portugal .....	—	—	—	—	—	—	—	-6
Puerto Rico .....	—	-5	—	—	—	—	0	—
Qatar .....	—	—	—	—	0	—	—	—
Russia .....	—	—	—	55	—	—	—	—
Spain .....	—	—	—	13	—	—	0	-26
Sweden .....	—	—	—	—	—	—	0	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	0
United Kingdom .....	—	-2	—	1	0	—	1	-2
Vietnam .....	—	—	—	—	—	—	0	—
Virgin Islands, U.S. ....	—	-7	—	-24	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—
Other .....	—	-48	0	-13	11	0	0	-103
<b>Total</b> .....	—	-93	8	127	15	3	2	-562
<b>Persian Gulf<sup>5</sup></b> .....	—	6	—	7	0	—	0	-1

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products <sup>4</sup>	Total Crude Oil and Products <sup>4</sup>
<b>OPEC</b> .....	<b>0</b>	<b>-3</b>	<b>0</b>	<b>315</b>	<b>1,205</b>
Algeria .....	-	-	-	38	38
Angola .....	-	-	-	5	24
Congo (Brazzaville) .....	-	-	-	-	3
Equatorial Guinea .....	-	-	-	2	2
Gabon .....	-	-	-	-	-
Iran .....	-	-	-	-	-
Iraq .....	-	0	-	50	268
Kuwait .....	-	0	-	28	54
Libya .....	-	0	-	0	82
Nigeria .....	-	-1	-	-1	74
Saudi Arabia .....	-	0	0	114	527
United Arab Emirates .....	0	-2	-	75	133
Venezuela .....	-	0	-	0	0
<b>Non-OPEC</b> .....	<b>31</b>	<b>-46</b>	<b>-2</b>	<b>-4,422</b>	<b>-2,493</b>
Argentina .....	-3	0	-	-70	13
Aruba .....	-	0	-	-5	-5
Australia .....	0	0	0	-9	-9
Bahamas .....	0	0	0	-35	-35
Bahrain .....	-	2	-	2	2
Belgium .....	0	-14	0	-66	-88
Brazil .....	0	-10	0	-463	-488
Brunei .....	-	0	-	0	0
Cameroon .....	-	0	-	-2	-2
Canada .....	47	-1	0	51	3,405
Chad .....	-	-	-	-	-
China .....	0	0	0	-378	-573
Colombia .....	0	-2	0	-145	77
Denmark .....	-	0	-	-15	-79
Dominican Republic .....	-1	-1	0	-71	-87
Ecuador .....	0	-3	0	-84	47
Estonia .....	-	0	-	0	0
Finland .....	-	0	-	4	4
France .....	-	-1	-	-26	-151
Germany .....	0	0	0	6	-147
Guatemala .....	-	-1	-	-114	-105
Honduras .....	-1	0	-	-54	-54
India .....	0	-3	0	-51	-264
Indonesia .....	-	4	-	-90	-90
Italy .....	-	0	-	6	-131
Japan .....	0	0	0	-309	-309
Korea, South .....	-	13	0	-124	-324
Latvia .....	-	0	-	0	0
Lithuania .....	-	-	-	45	45
Malaysia .....	0	0	0	-1	-1
Mexico .....	-3	-22	-1	-1,179	-580
Netherlands .....	0	1	0	-134	-512
Norway .....	-	0	-	-10	34
Oman .....	-	0	-	-3	-3
Panama .....	-	-1	-	-137	-137
Portugal .....	-	0	-	-25	-25
Puerto Rico .....	0	-1	0	-9	-9
Qatar .....	-	11	-	12	12
Russia .....	-	0	-	336	360
Spain .....	-	0	-	-36	-273
Sweden .....	-	0	-	-48	-98
Trinidad and Tobago .....	-	0	0	-14	56
United Kingdom .....	0	0	0	-57	-420
Vietnam .....	0	0	-	-18	-18
Virgin Islands, U.S. ....	0	0	-	-36	-36
Yemen .....	-	0	-	0	0
Other .....	-8	-17	-1	-1,066	-1,495
<b>Total</b> .....	<b>31</b>	<b>-49</b>	<b>-2</b>	<b>-4,107</b>	<b>-1,288</b>
<b>Persian Gulf<sup>5</sup></b> .....	<b>0</b>	<b>10</b>	<b>0</b>	<b>281</b>	<b>996</b>

-- = Not Applicable.

- = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Quantities are gross imports because exports are excluded from EIA data.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2022**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins <sup>2</sup>	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>923</b>	<b>-4</b>	<b>-</b>	<b>81</b>	<b>-</b>	<b>-6</b>	<b>-6</b>	<b>2</b>	<b>24</b>	<b>26</b>
Algeria .....	-	4	-	19	-	-	-	-	-	-
Angola .....	44	0	-	-	-	-	-	-	5	5
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	3	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	4	-	-	-	-	-	-	-	-	-
Iraq .....	223	-	-	14	-	-	-	-	-	-
Kuwait .....	25	0	-	5	-	0	0	0	0	0
Libya .....	83	-	-	0	-	-	-	-	-	-
Nigeria .....	60	-12	-	2	-	-8	-8	-	5	5
Saudi Arabia .....	462	0	-	19	-	3	3	2	14	17
United Arab Emirates .....	22	-	-	19	-	0	0	0	-	0
Venezuela .....	-	0	-	0	-	0	0	0	0	0
<b>Non-OPEC</b> .....	<b>2,030</b>	<b>-2,171</b>	<b>17</b>	<b>66</b>	<b>-</b>	<b>-756</b>	<b>-756</b>	<b>166</b>	<b>233</b>	<b>399</b>
Argentina .....	59	0	-	-9	-	-2	-2	-	3	3
Aruba .....	-	0	-	0	-	-1	-1	-	0	0
Australia .....	-13	-5	-	0	-	0	0	0	-	0
Bahamas .....	-4	-1	-	0	-	0	0	-	2	2
Bahrain .....	-	-	-	0	-	0	0	-	-	-
Belgium .....	-8	-55	-	-17	-	3	3	-	3	3
Brazil .....	9	-28	-	-89	-	-30	-30	-	1	1
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	3,568	-80	17	-47	-	-4	-4	81	31	113
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-219	-248	-	0	-	0	0	-	0	0
Colombia .....	200	-2	-	-29	-	-32	-32	-	-	-
Denmark .....	-53	-	-	-	-	0	0	0	-	0
Dominican Republic .....	-16	-36	-	0	-	-11	-11	0	-2	-2
Ecuador .....	110	-35	-	9	-	-28	-28	-	0	0
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-11	-	0	-	-	-	-	19	19
France .....	-185	-19	-	5	-	0	0	3	14	17
Germany .....	-85	0	-	0	-	1	1	-	1	1
Guatemala .....	2	-10	-	0	-	-47	-47	0	0	0
Honduras .....	-	-16	-	0	-	-19	-19	-	0	0
India .....	-348	-156	-	0	-	0	0	3	57	60
Indonesia .....	-	-82	-	0	-	-	-	-	-	-
Italy .....	-147	-4	-	0	-	9	9	-	14	14
Japan .....	-8	-394	-	-1	-	0	0	0	4	4
Korea, South .....	-289	-153	-	-4	-	10	10	0	9	9
Latvia .....	-	-	-	-1	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	5	5	-	3	3
Malaysia .....	-	0	-	0	-	0	0	-	-	-
Mexico .....	614	-219	0	41	-	-480	-480	0	-25	-25
Netherlands .....	-282	-74	-	-68	-	5	5	34	10	43
Norway .....	9	-31	-	-2	-	0	0	4	4	8
Oman .....	-	0	-	0	-	-	-	-	-	-
Panama .....	-7	-7	-	0	-	-22	-22	-	-2	-2
Portugal .....	-18	-27	-	-	-	2	2	-	14	14
Puerto Rico .....	-	0	-	0	-	0	0	0	0	0
Qatar .....	-	0	-	0	-	0	0	0	0	0
Russia .....	62	0	-	300	-	3	3	-	19	19
Spain .....	-151	-35	-	-	-	2	2	1	19	20
Sweden .....	-48	-42	-	-3	-	1	1	-	5	5
Trinidad and Tobago .....	54	1	-	0	-	-2	-2	-	-	-
United Kingdom .....	-272	-60	-	-4	-	3	3	39	3	42
Vietnam .....	-	-4	-	0	-	-	-	-	0	0
Virgin Islands, U.S. ....	-	0	-	-	-	0	0	0	0	0
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-504	-338	0	-15	-	-122	-122	1	27	28
<b>Total</b> .....	<b>2,953</b>	<b>-2,175</b>	<b>17</b>	<b>147</b>	<b>-</b>	<b>-762</b>	<b>-762</b>	<b>168</b>	<b>257</b>	<b>425</b>
<b>Persian Gulf<sup>5</sup></b> .....	<b>736</b>	<b>0</b>	<b>-</b>	<b>58</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>14</b>	<b>17</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Biofuels				Distillate Fuel Oil					Kerosene	Finished Aviation Gasoline
	Fuel Ethanol	Biodiesel	Renewable Diesel Fuel <sup>2</sup>	Other Biofuels <sup>2,3</sup>	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total		
<b>OPEC</b>	-7	0	-	-	20	-1	-	-	19	0	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	0	-	-	-	0	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-4	-	-	-	5	-1	-	-	4	-	-
Saudi Arabia	-1	0	-	-	14	-	-	-	14	0	-
United Arab Emirates	-2	-	-	-	0	-	-	-	0	0	-
Venezuela	0	-	-	-	0	-	-	-	0	-	-
<b>Non-OPEC</b>	-105	-3	16	0	-778	-81	-89	-	-948	-9	1
Argentina	0	-	-	-	-38	-2	-8	-	-48	0	-
Aruba	0	-	-	-	-1	-	0	-	-1	0	-
Australia	0	0	-	-	0	-	-	-	0	-	-
Bahamas	0	0	-	-	-18	-1	-6	-	-25	0	-
Bahrain	0	-	-	-	-	-	-	-	-	0	-
Belgium	0	0	-	-	0	-	0	-	0	-	-
Brazil	-8	-	-	-	-116	-9	-8	-	-133	-3	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-28	-1	-	-	138	-3	-4	-	131	-1	0
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	-	-	-	0	-	0	-	0	0	-
Colombia	-1	-	-	-	-56	-	-	-	-56	0	-
Denmark	-	-	-	-	-4	-	-	-	-4	-	-
Dominican Republic	0	-	-	-	-8	0	-8	-	-15	0	-
Ecuador	0	-	-	-	-32	-5	-3	-	-40	0	-
Estonia	-	-	-	-	-	-	-	-	-	-	0
Finland	-	-	-	0	-	-	-	-	-	-	-
France	0	-	-	-	-5	-	-	-	-5	0	-
Germany	0	6	-	-	0	-	-	-	0	-	-
Guatemala	-	-	-	-	-26	-8	-6	-	-40	0	-
Honduras	0	-	-	-	-14	-7	-2	-	-23	-1	-
India	-14	0	-	-	0	-	-	-	0	-	-
Indonesia	0	0	-	-	0	-	-	-	0	-	-
Italy	-	1	-	-	-	-	-	-	-	-	-
Japan	0	-	-	-	0	-	-	-	0	0	-
Korea, South	-16	0	-	-	3	4	-	-	7	0	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	0	-	-	-	-	-	-	-	-	-	-
Malaysia	0	0	-	-	-	-	-	-	-	0	-
Mexico	-6	0	-	-	-263	-7	-4	-	-274	0	-
Netherlands	-7	-1	0	-	9	-3	-8	-	-2	0	1
Norway	-	-	-	-	-3	-	-	-	-3	-	-
Oman	-1	-	-	-	0	-	-	-	0	-	-
Panama	0	-	-	-	-57	-8	-3	-	-68	0	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	-	-3	0	-	-	-3	0	-
Qatar	-	-	-	-	23	-	-	-	23	-	-
Russia	-	-	-	-	18	-	1	-	19	-	-
Spain	-	3	-	-	-2	-	-	-	-2	-	-
Sweden	-1	-	-	-	0	-	-	-	0	-	-
Trinidad and Tobago	0	-	-	-	-11	-	-5	-	-16	-	-
United Kingdom	-6	-	-	-	-11	-3	-	-	-14	0	-
Vietnam	-	-	-	-	0	-	-	-	0	-	-
Virgin Islands, U.S.	0	-	-	-	-7	-4	-2	-	-13	0	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-17	-11	16	0	-294	-25	-23	-	-343	-4	0
<b>Total</b>	-113	-3	16	0	-758	-82	-89	-	-929	-9	1
<b>Persian Gulf<sup>5</sup></b>	-3	0	-	-	37	-	-	-	37	0	-

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Aviation Gasoline Blending Components	Kerosene- Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks <sup>2</sup>		Waxes	Petroleum Coke
					Naphtha	Other Oils		
<b>OPEC</b> .....	—	13	—	7	1	—	0	-1
Algeria .....	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	1	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	0	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	4	—	—	0	—
Kuwait .....	—	7	—	—	—	—	0	0
Libya .....	—	—	—	—	—	—	—	—
Nigeria .....	—	0	—	—	—	—	0	—
Saudi Arabia .....	—	3	—	2	—	—	0	0
United Arab Emirates .....	—	2	—	0	—	—	0	-1
Venezuela .....	—	—	—	—	—	—	0	—
<b>Non-OPEC</b> .....	—	-63	9	133	12	4	1	-538
Argentina .....	—	-1	—	0	—	1	0	1
Aruba .....	—	-1	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	0	-8
Bahamas .....	—	-2	—	-16	—	—	—	—
Bahrain .....	—	—	—	—	—	—	0	—
Belgium .....	—	—	—	0	—	—	0	-2
Brazil .....	—	—	—	21	—	—	0	-60
Brunei .....	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	0
Canada .....	—	-13	3	8	3	2	-1	-12
Chad .....	—	—	—	—	—	—	—	—
China .....	—	5	—	0	—	—	1	-110
Colombia .....	—	-4	—	8	—	—	0	0
Denmark .....	—	—	—	1	—	—	—	-2
Dominican Republic .....	—	-8	—	-4	—	—	0	-3
Ecuador .....	—	0	—	4	—	—	0	-5
Estonia .....	—	—	—	—	—	—	0	—
Finland .....	—	—	—	—	—	—	—	-2
France .....	—	—	—	1	0	0	0	-4
Germany .....	—	—	0	2	—	—	0	-2
Guatemala .....	—	-2	—	0	—	—	0	-10
Honduras .....	—	-3	—	—	—	—	0	-10
India .....	—	5	—	0	—	—	0	-41
Indonesia .....	—	—	—	—	—	—	0	—
Italy .....	—	—	—	—	—	—	0	-21
Japan .....	—	4	1	0	2	—	0	-37
Korea, South .....	—	71	5	-5	—	—	0	0
Latvia .....	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	9	—	—	—	—
Malaysia .....	—	—	—	—	—	—	1	0
Mexico .....	—	-58	0	99	2	—	-1	-57
Netherlands .....	—	-1	0	1	—	—	0	-16
Norway .....	—	—	—	3	—	—	—	-3
Oman .....	—	—	—	—	—	—	—	-2
Panama .....	—	-14	—	-21	—	—	0	-1
Portugal .....	—	—	—	—	—	—	0	-5
Puerto Rico .....	—	-1	—	—	—	—	0	—
Qatar .....	—	4	—	—	0	—	—	-2
Russia .....	—	—	—	46	—	—	0	0
Spain .....	—	—	—	3	0	—	0	-12
Sweden .....	—	—	—	1	—	—	0	—
Trinidad and Tobago .....	—	-7	—	0	—	—	0	0
United Kingdom .....	—	-1	—	0	0	0	0	0
Vietnam .....	—	—	—	—	—	—	0	—
Virgin Islands, U.S. ....	—	-3	—	-11	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—
Other .....	—	-33	0	-17	5	1	1	-112
<b>Total</b> .....	—	-51	9	140	12	4	1	-540
<b>Persian Gulf<sup>6</sup></b> .....	—	16	—	7	0	—	0	-3

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2022**  
(Thousand Barrels per Day) — Continued

Country of Origin	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products <sup>4</sup>	Total Crude Oil and Products <sup>4</sup>
<b>OPEC</b> .....	<b>0</b>	<b>-1</b>	<b>0</b>	<b>126</b>	<b>1,050</b>
Algeria .....	—	0	—	24	24
Angola .....	0	0	—	6	50
Congo (Brazzaville) .....	—	—	—	—	1
Equatorial Guinea .....	—	0	—	3	3
Gabon .....	—	0	—	0	0
Iran .....	—	—	—	—	4
Iraq .....	—	0	—	19	242
Kuwait .....	—	0	—	13	37
Libya .....	—	0	—	0	83
Nigeria .....	0	-3	—	-16	44
Saudi Arabia .....	0	0	0	56	518
United Arab Emirates .....	0	3	—	22	44
Venezuela .....	—	0	—	0	0
<b>Non-OPEC</b> .....	<b>33</b>	<b>-54</b>	<b>-1</b>	<b>-3,958</b>	<b>-1,928</b>
Argentina .....	-2	-1	0	-57	2
Aruba .....	—	0	—	-4	-4
Australia .....	0	0	0	-13	-26
Bahamas .....	0	0	0	-41	-45
Bahrain .....	—	2	—	2	2
Belgium .....	0	-13	0	-82	-90
Brazil .....	0	-10	0	-340	-331
Brunei .....	—	0	—	0	0
Cameroon .....	—	0	—	0	0
Canada .....	44	-1	0	134	3,701
Chad .....	—	—	—	—	—
China .....	0	0	0	-353	-572
Colombia .....	0	-3	0	-120	79
Denmark .....	—	0	—	-6	-59
Dominican Republic .....	-1	-1	0	-81	-96
Ecuador .....	0	-2	0	-97	13
Estonia .....	—	0	—	0	0
Finland .....	—	0	—	6	6
France .....	—	-2	—	-6	-192
Germany .....	0	0	0	9	-76
Guatemala .....	0	-1	—	-110	-107
Honduras .....	0	0	0	-72	-72
India .....	0	-5	0	-151	-500
Indonesia .....	0	4	0	-79	-79
Italy .....	0	0	0	-1	-148
Japan .....	0	0	0	-422	-430
Korea, South .....	0	11	0	-66	-355
Latvia .....	—	0	—	-1	-1
Lithuania .....	—	0	0	16	16
Malaysia .....	0	0	0	0	0
Mexico .....	-4	-28	-1	-1,011	-397
Netherlands .....	0	2	0	-117	-399
Norway .....	—	0	—	-27	-18
Oman .....	—	1	—	-2	-2
Panama .....	-1	-1	0	-136	-143
Portugal .....	—	0	—	-15	-33
Puerto Rico .....	0	-1	0	-6	-6
Qatar .....	—	7	—	33	33
Russia .....	0	0	—	387	448
Spain .....	1	0	—	-21	-173
Sweden .....	—	0	—	-40	-88
Trinidad and Tobago .....	—	0	0	-24	30
United Kingdom .....	0	0	0	-38	-310
Vietnam .....	0	0	0	-5	-5
Virgin Islands, U.S. ....	0	0	—	-27	-27
Yemen .....	—	0	—	0	0
Other .....	-4	-12	0	-974	-1,474
<b>Total</b> .....	<b>33</b>	<b>-54</b>	<b>-1</b>	<b>-3,832</b>	<b>-879</b>
<b>Persian Gulf<sup>5</sup></b> .....	<b>0</b>	<b>12</b>	<b>0</b>	<b>144</b>	<b>880</b>

-- = Not Applicable.

— = No Data Reported.

1 On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

2 Quantities are gross imports because exports are excluded from EIA data.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

4 Includes gross imports of refinery olefins, renewable diesel, other biofuels, and petrochemical feedstocks. See footnote 2.

5 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2022**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>7,739</b>	<b>105,393</b>	<b>782,258</b>	<b>23,192</b>	<b>48,400</b>	<b>966,982</b>
Refinery .....	6,157	11,974	45,709	2,497	20,133	86,470
Tank Farms and Pipelines (Includes Cushing, OK) ....	1,582	93,419	188,683	20,695	23,066	327,445
Cushing, Oklahoma .....	--	29,082	--	--	--	29,082
Leases .....	--	--	--	--	--	--
Strategic Petroleum Reserve <sup>1</sup> .....	--	--	547,866	--	--	547,866
Alaskan In Transit .....	--	--	--	--	5,201	5,201
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> .....	<b>119,243</b>	<b>163,209</b>	<b>337,548</b>	<b>24,914</b>	<b>89,470</b>	<b>734,383</b>
Refinery .....	12,085	46,430	115,242	10,498	46,819	231,074
Bulk Terminal .....	79,700	79,527	164,499	7,704	37,507	368,936
Pipeline .....	27,191	35,971	56,793	6,538	4,901	131,394
Natural Gas Processing Plant .....	267	1,281	1,014	174	243	2,979
<b>Natural Gas Liquids</b> .....	<b>6,242</b>	<b>33,752</b>	<b>103,975</b>	<b>6,045</b>	<b>2,651</b>	<b>152,666</b>
Refinery .....	374	2,583	4,744	330	1,413	9,444
Bulk Terminal .....	3,459	13,129	75,256	1,045	995	93,885
Pipeline .....	2,142	16,759	22,961	4,496	--	46,358
Natural Gas Processing Plant .....	267	1,281	1,014	174	243	2,979
<b>Ethane</b> .....	<b>1,006</b>	<b>5,959</b>	<b>43,003</b>	<b>1,350</b>	--	<b>51,318</b>
Refinery .....	--	--	17	--	--	17
Bulk Terminal .....	489	2,120	33,856	--	--	36,465
Pipeline .....	517	3,684	9,059	1,345	--	14,605
Natural Gas Processing Plant .....	--	155	71	5	--	231
<b>Propane</b> .....	<b>3,233</b>	<b>9,074</b>	<b>25,265</b>	<b>2,064</b>	<b>549</b>	<b>40,185</b>
Refinery .....	89	600	880	54	105	1,728
Bulk Terminal .....	1,677	4,275	17,371	349	339	24,011
Pipeline .....	1,340	3,694	6,883	1,583	--	13,500
Natural Gas Processing Plant .....	127	505	131	78	105	946
<b>Normal Butane</b> .....	<b>1,654</b>	<b>6,763</b>	<b>20,016</b>	<b>1,486</b>	<b>1,646</b>	<b>31,565</b>
Refinery .....	217	1,150	2,439	140	908	4,854
Bulk Terminal .....	1,179	4,426	14,708	692	646	21,651
Pipeline .....	198	959	2,759	627	--	4,543
Natural Gas Processing Plant .....	60	228	110	27	92	517
<b>Isobutane</b> .....	<b>122</b>	<b>2,360</b>	<b>6,214</b>	<b>446</b>	<b>419</b>	<b>9,561</b>
Refinery .....	68	486	1,115	114	398	2,181
Bulk Terminal .....	--	897	3,720	--	--	4,617
Pipeline .....	45	838	1,187	314	--	2,384
Natural Gas Processing Plant .....	9	139	192	18	21	379
<b>Natural Gasoline</b> .....	<b>227</b>	<b>9,596</b>	<b>9,477</b>	<b>699</b>	<b>37</b>	<b>20,037</b>
Refinery .....	--	347	293	22	2	664
Bulk Terminal .....	114	1,411	5,601	4	10	7,141
Pipeline .....	42	7,584	3,073	627	--	11,326
Natural Gas Processing Plant .....	71	254	510	46	25	906
<b>Refinery Olefins</b> .....	<b>176</b>	<b>324</b>	<b>922</b>	<b>177</b>	<b>23</b>	<b>1,622</b>
Refinery .....	176	324	922	177	23	1,622
<b>Ethylene</b> .....	--	--	0	--	--	0
Refinery .....	--	--	0	--	--	0
<b>Propylene</b> .....	<b>114</b>	<b>276</b>	<b>588</b>	<b>2</b>	<b>11</b>	<b>991</b>
Refinery .....	114	276	588	2	11	991
<b>Normal Butylene</b> .....	<b>50</b>	<b>48</b>	<b>323</b>	<b>175</b>	<b>12</b>	<b>608</b>
Refinery .....	50	48	323	175	12	608
<b>Isobutylene</b> .....	<b>12</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>23</b>
Refinery .....	12	0	11	0	0	23
<b>Other Hydrocarbons</b> .....	--	<b>11</b>	--	--	--	<b>11</b>
Refinery .....	--	11	--	--	--	11
<b>Biofuels (Including Fuel Ethanol)<sup>2</sup></b> .....	<b>8,666</b>	<b>11,393</b>	<b>5,981</b>	<b>576</b>	<b>4,799</b>	<b>31,415</b>
Refinery .....	212	118	878	144	912	2,264
Bulk Terminal .....	8,395	11,275	5,103	427	3,887	29,087
Pipeline .....	59	--	--	5	--	64
<b>Fuel Ethanol</b> .....	<b>7,632</b>	<b>10,087</b>	<b>3,962</b>	<b>402</b>	<b>2,172</b>	<b>24,255</b>
Refinery .....	204	99	740	137	128	1,308
Bulk Terminal .....	7,369	9,988	3,222	260	2,044	22,883
Pipeline .....	59	--	--	5	--	64
<b>Biodiesel</b> .....	<b>1,034</b>	<b>1,203</b>	<b>1,159</b>	<b>10</b>	<b>623</b>	<b>4,029</b>
Refinery .....	8	19	138	7	3	175
Bulk Terminal .....	1,026	1,184	1,021	3	620	3,854
Pipeline .....	--	--	--	--	--	--
<b>Renewable Diesel Fuel</b> .....	--	<b>76</b>	<b>699</b>	<b>164</b>	<b>1,933</b>	<b>2,872</b>
Refinery .....	--	--	--	--	781	781
Bulk Terminal .....	--	76	699	164	1,152	2,091
Pipeline .....	--	--	--	--	--	--
<b>Other Biofuels<sup>3</sup></b> .....	--	<b>27</b>	<b>160</b>	<b>0</b>	<b>71</b>	<b>258</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	27	160	0	71	258
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2022**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Unfinished Oils</b> .....	<b>4,281</b>	<b>13,677</b>	<b>46,155</b>	<b>3,119</b>	<b>19,358</b>	<b>86,590</b>
<b>Naphthas and Lighter</b> .....	<b>1,120</b>	<b>3,560</b>	<b>10,689</b>	<b>797</b>	<b>3,083</b>	<b>19,249</b>
Refinery .....	1,113	3,535	9,506	797	2,662	17,613
Bulk Terminal .....	--	--	--	--	--	--
<b>Kerosene and Light Gas Oils</b> .....	<b>586</b>	<b>2,415</b>	<b>8,560</b>	<b>503</b>	<b>3,431</b>	<b>15,495</b>
Refinery .....	586	2,415	6,507	503	3,329	13,340
Bulk Terminal .....	--	--	2,053	--	102	2,155
<b>Heavy Gas Oils</b> .....	<b>1,712</b>	<b>5,139</b>	<b>21,708</b>	<b>1,494</b>	<b>9,974</b>	<b>40,027</b>
Refinery .....	1,712	5,070	18,604	1,494	8,476	35,356
Bulk Terminal .....	--	69	3,104	--	1,498	4,671
<b>Residuum</b> .....	<b>863</b>	<b>2,563</b>	<b>5,198</b>	<b>325</b>	<b>2,870</b>	<b>11,819</b>
Refinery .....	863	2,563	4,897	325	2,870	11,518
Bulk Terminal .....	--	--	301	--	--	301
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	<b>50,230</b>	<b>45,782</b>	<b>81,222</b>	<b>6,439</b>	<b>28,551</b>	<b>212,224</b>
Refinery .....	2,939	12,050	27,352	3,186	12,985	58,512
Bulk Terminal .....	34,533	25,910	36,032	2,356	12,831	111,662
Pipeline .....	12,758	7,822	17,838	897	2,735	42,050
<b>Reformulated - RBOB</b> .....	<b>16,854</b>	<b>5,808</b>	<b>11,670</b>	<b>--</b>	<b>13,977</b>	<b>48,309</b>
Refinery .....	680	891	2,371	--	4,900	8,842
Bulk Terminal .....	11,479	3,419	4,695	--	7,613	27,206
Pipeline .....	4,695	1,498	4,604	--	1,464	12,261
<b>Conventional</b> .....	<b>33,376</b>	<b>39,974</b>	<b>69,552</b>	<b>6,439</b>	<b>14,574</b>	<b>163,915</b>
Refinery .....	2,259	11,159	24,981	3,186	8,085	49,670
Bulk Terminal .....	23,054	22,491	31,337	2,356	5,218	84,456
Pipeline .....	8,063	6,324	13,234	897	1,271	29,789
<b>CBOB</b> .....	<b>24,328</b>	<b>32,549</b>	<b>36,175</b>	<b>4,979</b>	<b>7,879</b>	<b>105,910</b>
Refinery .....	372	5,697	10,591	1,729	2,099	20,488
Bulk Terminal .....	16,500	20,746	13,050	2,353	4,519	57,168
Pipeline .....	7,456	6,106	12,534	897	1,261	28,254
<b>GTAB</b> .....	<b>682</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>682</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	677	--	--	--	--	677
Pipeline .....	5	--	--	--	--	5
<b>Other</b> .....	<b>8,366</b>	<b>7,425</b>	<b>33,377</b>	<b>1,460</b>	<b>6,695</b>	<b>57,323</b>
Refinery .....	1,887	5,462	14,390	1,457	5,986	29,182
Bulk Terminal .....	5,877	1,745	18,287	3	699	26,611
Pipeline .....	602	218	700	--	10	1,530
<b>Aviation Gasoline Blending Components</b> .....	<b>--</b>	<b>--</b>	<b>23</b>	<b>--</b>	<b>--</b>	<b>23</b>
Refinery .....	--	--	23	--	--	23
Bulk Terminal .....	--	--	--	--	--	--
<b>Finished Motor Gasoline</b> .....	<b>2,588</b>	<b>4,527</b>	<b>7,166</b>	<b>1,512</b>	<b>2,039</b>	<b>17,832</b>
Refinery .....	27	725	3,320	779	589	5,440
Bulk Terminal .....	775	1,174	3,375	521	1,403	7,248
Pipeline .....	1,786	2,628	471	212	47	5,144
<b>Reformulated</b> .....	<b>4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>27</b>	<b>31</b>
Refinery .....	--	--	--	--	25	25
Bulk Terminal .....	4	--	--	--	2	6
Pipeline .....	--	--	--	--	--	--
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>27</b>	<b>31</b>
Refinery .....	--	--	--	--	25	25
Bulk Terminal .....	4	--	--	--	2	6
Pipeline .....	--	--	--	--	--	--
<b>Reformulated (Other)</b> .....	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
<b>Conventional</b> .....	<b>2,584</b>	<b>4,527</b>	<b>7,166</b>	<b>1,512</b>	<b>2,012</b>	<b>17,801</b>
Refinery .....	27	725	3,320	779	564	5,415
Bulk Terminal .....	771	1,174	3,375	521	1,401	7,242
Pipeline .....	1,786	2,628	471	212	47	5,144
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>--</b>	<b>106</b>	<b>20</b>	<b>59</b>	<b>23</b>	<b>208</b>
Refinery .....	--	--	--	58	--	58
Bulk Terminal .....	--	106	20	1	23	150
Pipeline .....	--	--	--	--	--	--
<b>Ed55 and Lower</b> .....	<b>--</b>	<b>106</b>	<b>20</b>	<b>59</b>	<b>--</b>	<b>185</b>
Refinery .....	--	--	--	58	--	58
Bulk Terminal .....	--	106	20	1	--	127
Pipeline .....	--	--	--	--	--	--
<b>Greater than Ed55</b> .....	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	23	23
Pipeline .....	--	--	--	--	--	--
<b>Conventional (Other)</b> .....	<b>2,584</b>	<b>4,421</b>	<b>7,146</b>	<b>1,453</b>	<b>1,989</b>	<b>17,593</b>
Refinery .....	27	725	3,320	721	564	5,357
Bulk Terminal .....	771	1,068	3,355	520	1,378	7,092
Pipeline .....	1,786	2,628	471	212	47	5,144

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2022**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Finished Aviation Gasoline</b> .....	<b>227</b>	<b>172</b>	<b>504</b>	<b>5</b>	<b>267</b>	<b>1,175</b>
Refinery .....	—	65	322	5	160	552
Bulk Terminal .....	227	107	182	—	107	623
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>8,707</b>	<b>7,073</b>	<b>11,776</b>	<b>662</b>	<b>9,440</b>	<b>37,658</b>
Refinery .....	428	1,946	5,180	276	3,560	11,390
Bulk Terminal .....	3,433	3,212	2,870	262	5,237	15,014
Pipeline .....	4,846	1,915	3,726	124	643	11,254
<b>Kerosene</b> .....	<b>627</b>	<b>105</b>	<b>497</b>	<b>2</b>	<b>8</b>	<b>1,239</b>
Refinery .....	151	80	31	2	3	267
Bulk Terminal .....	461	25	443	—	5	934
Pipeline .....	15	—	23	—	—	38
<b>Distillate Fuel Oil<sup>2</sup></b> .....	<b>22,568</b>	<b>27,081</b>	<b>40,494</b>	<b>3,771</b>	<b>12,535</b>	<b>106,448</b>
Refinery .....	1,422	5,817	15,154	1,612	4,734	28,739
Bulk Terminal .....	15,561	14,417	13,566	1,355	6,325	51,223
Pipeline .....	5,585	6,847	11,774	804	1,476	26,486
<b>15 ppm sulfur and Under</b> .....	<b>20,556</b>	<b>26,601</b>	<b>33,952</b>	<b>3,519</b>	<b>11,497</b>	<b>96,124</b>
Refinery .....	1,090	5,546	12,388	1,381	4,075	24,480
Bulk Terminal .....	14,362	14,326	10,499	1,334	6,056	46,576
Pipeline .....	5,104	6,729	11,065	804	1,366	25,068
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>576</b>	<b>228</b>	<b>1,319</b>	<b>185</b>	<b>407</b>	<b>2,715</b>
Refinery .....	140	91	680	164	351	1,426
Bulk Terminal .....	434	25	405	21	1	886
Pipeline .....	2	112	234	—	55	403
<b>Greater than 500 ppm sulfur</b> .....	<b>1,436</b>	<b>252</b>	<b>5,223</b>	<b>67</b>	<b>631</b>	<b>7,609</b>
Refinery .....	192	180	2,086	67	308	2,833
Bulk Terminal .....	765	66	2,662	—	268	3,761
Pipeline .....	479	6	475	—	55	1,015
<b>Residual Fuel Oil</b> .....	<b>4,828</b>	<b>1,203</b>	<b>18,337</b>	<b>202</b>	<b>4,843</b>	<b>29,413</b>
Refinery .....	338	945	4,120	202	2,061	7,666
Bulk Terminal .....	4,490	258	14,217	—	2,782	21,747
Pipeline .....	—	—	—	—	—	—
<b>Less than 0.31% Sulfur</b> .....	<b>307</b>	<b>54</b>	<b>1,055</b>	<b>12</b>	<b>1,110</b>	<b>2,538</b>
Refinery .....	17	48	75	12	32	184
Bulk Terminal .....	290	6	980	—	1,078	2,354
<b>0.31% to 1.00% Sulfur</b> .....	<b>1,006</b>	<b>261</b>	<b>5,401</b>	<b>34</b>	<b>575</b>	<b>7,277</b>
Refinery .....	84	209	1,142	34	274	1,743
Bulk Terminal .....	922	52	4,259	—	301	5,534
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>3,515</b>	<b>888</b>	<b>11,881</b>	<b>156</b>	<b>3,158</b>	<b>19,598</b>
Refinery .....	237	688	2,903	156	1,755	5,739
Bulk Terminal .....	3,278	200	8,978	—	1,403	13,859
<b>Petrochemical Feedstocks</b> .....	<b>—</b>	<b>498</b>	<b>2,008</b>	<b>—</b>	<b>2</b>	<b>2,508</b>
Refinery .....	—	498	2,008	—	2	2,508
Naphtha for Petrochemical Feedstock Use .....	—	397	1,290	—	2	1,689
Other Oils for Petrochemical Feedstock Use .....	—	101	718	—	—	819
<b>Special Naphthas</b> .....	<b>29</b>	<b>152</b>	<b>787</b>	<b>—</b>	<b>16</b>	<b>984</b>
Refinery .....	21	84	775	—	16	896
Bulk Terminal .....	8	68	12	—	—	88
<b>Lubricants</b> .....	<b>1,368</b>	<b>573</b>	<b>8,293</b>	<b>—</b>	<b>807</b>	<b>11,041</b>
Refinery .....	833	95	4,988	—	609	6,525
Bulk Terminal .....	535	478	3,305	—	198	4,516
<b>Waxes</b> .....	<b>200</b>	<b>28</b>	<b>282</b>	<b>—</b>	<b>—</b>	<b>510</b>
Refinery .....	200	28	282	—	—	510
<b>Petroleum Coke</b> .....	<b>—</b>	<b>2,732</b>	<b>3,012</b>	<b>60</b>	<b>1,483</b>	<b>7,287</b>
Refinery .....	—	2,732	3,012	60	1,483	7,287
<b>Asphalt and Road Oil</b> .....	<b>8,450</b>	<b>14,029</b>	<b>5,622</b>	<b>2,324</b>	<b>2,571</b>	<b>32,996</b>
Refinery .....	634	4,649	2,222	586	855	8,946
Bulk Terminal .....	7,816	9,380	3,400	1,738	1,716	24,050
<b>Miscellaneous Products</b> .....	<b>56</b>	<b>97</b>	<b>492</b>	<b>20</b>	<b>77</b>	<b>742</b>
Refinery .....	56	97	395	20	77	645
Bulk Terminal .....	—	—	97	—	—	97
Pipeline .....	—	—	—	—	—	—
<b>Total Stocks, All Oils</b> .....	<b>126,982</b>	<b>268,602</b>	<b>1,119,806</b>	<b>48,106</b>	<b>137,870</b>	<b>1,701,365</b>

-- = Not Applicable.

- = No Data Reported.

1 Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

2 Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

3 Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, April 2022**  
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components <sup>1</sup>			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
<b>PAD District 1</b> .....	<b>4</b>	<b>798</b>	<b>802</b>	<b>12,159</b>	<b>25,313</b>	<b>37,472</b>	<b>612</b>
Connecticut .....	—	—	—	1,073	26	1,099	3
Delaware .....	—	—	—	528	711	1,239	142
District of Columbia .....	—	—	—	—	—	—	—
Florida .....	—	514	514	—	6,313	6,313	—
Georgia .....	—	69	69	—	1,823	1,823	—
Maine .....	—	—	—	56	358	414	46
Maryland .....	—	—	—	895	81	976	9
Massachusetts .....	3	—	3	962	—	962	9
New Hampshire .....	—	—	—	—	—	—	—
New Jersey .....	—	—	—	5,974	8,000	13,974	19
New York .....	1	—	1	410	1,159	1,569	198
North Carolina .....	—	57	57	—	1,649	1,649	55
Pennsylvania .....	—	—	—	441	3,275	3,716	81
Rhode Island .....	—	—	—	821	28	849	—
South Carolina .....	—	117	117	—	905	905	24
Vermont .....	—	—	—	—	18	18	3
Virginia .....	—	14	14	999	871	1,870	23
West Virginia .....	—	27	27	—	96	96	—
<b>PAD District 2</b> .....	<b>—</b>	<b>1,899</b>	<b>1,899</b>	<b>4,310</b>	<b>33,650</b>	<b>37,960</b>	<b>105</b>
Illinois .....	—	60	60	2,339	4,376	6,715	57
Indiana .....	—	87	87	882	4,232	5,114	1
Iowa .....	—	54	54	—	2,185	2,185	—
Kansas .....	—	300	300	—	2,481	2,481	13
Kentucky .....	—	54	54	336	1,169	1,505	—
Michigan .....	—	7	7	54	3,139	3,193	—
Minnesota .....	—	263	263	0	2,451	2,451	—
Missouri .....	—	87	87	161	673	834	—
Nebraska .....	—	38	38	—	828	828	—
North Dakota .....	—	82	82	—	919	919	—
Ohio .....	—	435	435	—	4,167	4,167	26
Oklahoma .....	—	240	240	—	3,154	3,154	—
South Dakota .....	—	26	26	—	478	478	—
Tennessee .....	—	48	48	—	1,744	1,744	—
Wisconsin .....	—	118	118	537	1,654	2,191	8
<b>PAD District 3</b> .....	<b>—</b>	<b>6,695</b>	<b>6,695</b>	<b>7,066</b>	<b>56,318</b>	<b>63,384</b>	<b>474</b>
Alabama .....	—	72	72	5	1,166	1,171	2
Arkansas .....	—	99	99	—	884	884	—
Louisiana .....	—	864	864	753	12,390	13,143	8
Mississippi .....	—	1,143	1,143	8	2,438	2,446	—
New Mexico .....	—	26	26	6	510	516	—
Texas .....	—	4,491	4,491	6,294	38,930	45,224	464
<b>PAD District 4</b> .....	<b>—</b>	<b>1,300</b>	<b>1,300</b>	<b>—</b>	<b>5,542</b>	<b>5,542</b>	<b>2</b>
Colorado .....	—	347	347	—	1,393	1,393	—
Idaho .....	—	32	32	—	497	497	—
Montana .....	—	352	352	—	1,262	1,262	—
Utah .....	—	117	117	—	1,615	1,615	2
Wyoming .....	—	452	452	—	775	775	—
<b>PAD District 5</b> .....	<b>27</b>	<b>1,965</b>	<b>1,992</b>	<b>12,513</b>	<b>13,303</b>	<b>25,816</b>	<b>8</b>
Alaska .....	—	338	338	—	514	514	5
Arizona .....	—	65	65	367	312	679	—
California .....	27	138	165	12,029	6,254	18,283	3
Hawaii .....	—	508	508	—	522	522	—
Nevada .....	—	229	229	8	416	424	—
Oregon .....	—	85	85	—	1,599	1,599	—
Washington .....	—	602	602	109	3,686	3,795	—
<b>U.S. Total</b> .....	<b>31</b>	<b>12,657</b>	<b>12,688</b>	<b>36,048</b>	<b>134,126</b>	<b>170,174</b>	<b>1,201</b>

See footnotes at end of table.

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, April 2022**  
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil <sup>1</sup>				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
<b>PAD District 1</b> .....	<b>15,452</b>	<b>574</b>	<b>957</b>	<b>16,983</b>	<b>4,828</b>	<b>1,893</b>
Connecticut .....	969	—	—	969	10	—
Delaware .....	371	85	79	535	237	8
District of Columbia .....	—	—	—	—	—	—
Florida .....	2,243	131	—	2,374	730	43
Georgia .....	1,211	—	—	1,211	110	17
Maine .....	883	1	1	885	16	—
Maryland .....	487	—	—	487	110	—
Massachusetts .....	687	11	4	702	103	—
New Hampshire .....	202	—	—	202	16	197
New Jersey .....	2,071	86	487	2,644	3,095	63
New York .....	1,450	—	89	1,539	174	282
North Carolina .....	648	—	—	648	—	267
Pennsylvania .....	2,303	—	62	2,365	168	786
Rhode Island .....	379	—	—	379	—	—
South Carolina .....	490	—	—	490	28	106
Vermont .....	5	—	—	5	—	—
Virginia .....	934	208	235	1,377	31	4
West Virginia .....	119	52	—	171	—	75
<b>PAD District 2</b> .....	<b>19,872</b>	<b>116</b>	<b>246</b>	<b>20,234</b>	<b>1,203</b>	<b>5,380</b>
Illinois .....	2,690	—	—	2,690	458	407
Indiana .....	3,106	—	27	3,133	63	266
Iowa .....	1,533	1	—	1,534	1	196
Kansas .....	1,868	—	—	1,868	38	2,790
Kentucky .....	773	1	—	774	—	109
Michigan .....	1,393	—	—	1,393	203	722
Minnesota .....	1,630	—	20	1,650	189	89
Missouri .....	501	10	3	514	—	91
Nebraska .....	454	—	—	454	—	124
North Dakota .....	824	—	—	824	33	30
Ohio .....	1,893	13	68	1,974	92	407
Oklahoma .....	1,181	91	128	1,400	56	99
South Dakota .....	493	—	—	493	—	3
Tennessee .....	868	—	—	868	59	2
Wisconsin .....	664	—	—	664	11	45
<b>PAD District 3</b> .....	<b>22,887</b>	<b>1,085</b>	<b>4,748</b>	<b>28,720</b>	<b>18,337</b>	<b>18,382</b>
Alabama .....	741	6	31	778	397	18
Arkansas .....	649	—	—	649	—	12
Louisiana .....	4,962	388	1,309	6,659	8,463	1,825
Mississippi .....	908	363	65	1,336	464	1,724
New Mexico .....	208	—	—	208	73	3
Texas .....	15,419	328	3,343	19,090	8,940	14,800
<b>PAD District 4</b> .....	<b>2,715</b>	<b>185</b>	<b>67</b>	<b>2,967</b>	<b>202</b>	<b>481</b>
Colorado .....	494	—	—	494	32	24
Idaho .....	232	—	—	232	—	—
Montana .....	833	128	—	961	51	20
Utah .....	498	16	67	581	42	358
Wyoming .....	658	41	—	699	77	79
<b>PAD District 5</b> .....	<b>10,131</b>	<b>352</b>	<b>576</b>	<b>11,059</b>	<b>4,843</b>	<b>549</b>
Alaska .....	968	—	27	995	135	1
Arizona .....	606	—	—	606	—	94
California .....	4,735	351	328	5,414	3,106	255
Hawaii .....	343	1	219	563	617	86
Nevada .....	237	—	2	239	—	—
Oregon .....	1,133	—	—	1,133	55	—
Washington .....	2,109	—	—	2,109	930	113
<b>U.S. Total</b> .....	<b>71,056</b>	<b>2,312</b>	<b>6,594</b>	<b>79,962</b>	<b>29,413</b>	<b>26,685</b>

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D. Includes stocks held at biofuel production facilities.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, April 2022**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b> .....	<b>417</b>	<b>614</b>	<b>0</b>	<b>1,067</b>	<b>48,191</b>	<b>5,321</b>	<b>3,039</b>	<b>2,550</b>	<b>16,040</b>
<b>Petroleum Products</b> .....	<b>15,928</b>	<b>123</b>	<b>0</b>	<b>20,813</b>	<b>46,918</b>	<b>12,370</b>	<b>5,602</b>	<b>95,133</b>	<b>17,900</b>
Natural Gas Liquids .....	7,751	120	0	7,680	35,443	8,472	531	1,208	10,178
Ethane .....	5,679	0	—	0	17,359	2,740	—	0	1,184
Propane .....	964	9	0	5,607	10,538	3,034	288	1,187	1,441
Normal Butane .....	384	87	0	1,979	3,826	1,264	226	21	355
Isobutane .....	472	24	0	94	1,358	460	17	0	1,192
Natural Gasoline .....	252	0	—	0	2,362	974	—	0	6,006
Refinery Olefins .....	0	0	—	467	630	—	—	0	0
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	0	0	—	467	630	—	—	0	0
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	37	0	—	0	748	—	—	31	792
Motor Gasoline Blending Components .....	5,211	0	0	1,308	1,697	1,826	0	53,736	3,364
Reformulated - RBOB .....	0	0	0	0	0	—	0	7,682	1,252
Conventional .....	5,211	0	0	1,308	1,697	1,826	0	46,054	2,112
CBOB .....	5,211	0	0	1,308	1,672	1,826	0	45,271	1,610
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	25	—	—	783	502
Biofuels (including Fuel Ethanol) .....	0	0	0	8,080	5,803	436	4,745	137	0
Fuel Ethanol .....	0	0	0	7,838	5,553	414	4,424	137	0
Biodiesel .....	0	0	0	242	250	23	321	0	0
Renewable Diesel Fuel .....	—	0	0	—	0	—	0	—	—
Other Biofuels <sup>2</sup> .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	64	0	0	876	0	108	0	1,314	716
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	64	0	0	876	0	108	0	1,314	716
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	64	0	0	876	0	108	0	1,314	716
Finished Aviation Gasoline .....	0	0	—	0	0	—	—	116	25
Kerosene-Type Jet Fuel .....	321	0	0	86	30	748	0	13,014	1,248
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	2,544	0	0	1,644	849	750	0	24,561	1,197
15 ppm sulfur and under .....	2,544	0	0	1,644	849	750	0	23,813	988
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—	—	65	209
Greater than 500 ppm sulfur .....	—	0	—	0	0	—	—	683	—
Residual Fuel Oil .....	0	0	—	—	664	—	—	—	0
Petrochemical Feedstocks .....	0	0	—	—	97	—	—	—	0
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	97	—	—	—	0
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Special Naphthas .....	0	0	—	—	0	—	—	—	21
Lubricants .....	0	0	0	17	22	—	0	689	222
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	3	0	198	432	6	45	3	13
Asphalt and Road Oil .....	0	0	0	457	503	23	281	324	119
Miscellaneous Products .....	0	0	—	—	0	—	—	—	5
<b>Total</b> .....	<b>16,345</b>	<b>737</b>	<b>0</b>	<b>21,881</b>	<b>95,109</b>	<b>17,691</b>	<b>8,641</b>	<b>97,683</b>	<b>33,940</b>

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
<b>Crude Oil</b> .....	0	42	0	25,233	778	0	0	0	0
<b>Petroleum Products</b> .....	0	5,954	0	19,859	4,782	1,686	0	119	20
Natural Gas Liquids .....	0	24	0	18,973	4,631	118	0	0	0
Ethane .....	0	—	0	6,450	2,002	—	0	0	0
Propane .....	0	0	0	6,581	1,245	67	0	0	0
Normal Butane .....	0	7	0	2,679	373	35	0	0	0
Isobutane .....	0	17	0	1,074	422	16	0	0	0
Natural Gasoline .....	0	—	0	2,189	589	—	0	0	0
Refinery Olefins .....	—	—	0	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	—	—	0	0	0	—	0	0	—
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components .....	0	3,449	0	187	0	994	0	0	0
Reformulated - RBOB .....	—	1,913	0	0	0	0	0	0	—
Conventional .....	0	1,536	0	187	0	994	0	0	0
CBOB .....	0	1,536	0	187	0	994	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	0	—	0	0	—
Biofuels (including Fuel Ethanol) .....	0	891	0	0	0	39	0	0	0
Fuel Ethanol .....	0	356	0	0	0	39	0	0	0
Biodiesel .....	0	64	0	0	0	0	0	0	0
Renewable Diesel Fuel .....	—	471	—	—	0	0	—	0	—
Other Biofuels <sup>2</sup> .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	176	0	108	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	176	0	108	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	176	0	108	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	303	0	12	0	68	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	0	1,111	0	208	0	202	0	0	0
15 ppm sulfur and under .....	0	1,111	0	208	0	202	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	—	—	0	—	0	—	0	0	—
Residual Fuel Oil .....	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks .....	—	—	—	0	0	—	—	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	0	0	0	0	0	0	96	—
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	10	0	216	54	6	0	23	10
Asphalt and Road Oil .....	0	166	0	86	96	151	0	0	10
Miscellaneous Products .....	—	—	—	0	0	—	—	0	—
<b>Total</b> .....	0	5,996	0	45,092	5,560	1,686	0	119	20

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2022**  
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
<b>Crude Oil</b> .....	<b>209</b>	<b>25</b>	<b>163</b>	<b>48,151</b>	<b>5,321</b>	<b>120</b>	<b>16,040</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>15,363</b>	<b>0</b>	<b>9,379</b>	<b>37,185</b>	<b>11,904</b>	<b>71,449</b>	<b>15,486</b>	<b>0</b>	<b>4,863</b>
Natural Gas Liquids .....	7,235	0	6,333	34,726	8,472	1,045	9,984	0	-
Ethane .....	5,679	0	0	17,359	2,740	0	1,184	0	-
Propane .....	905	0	4,696	10,093	3,034	1,045	1,420	0	-
Normal Butane .....	118	0	1,637	3,600	1,264	0	351	0	-
Isobutane .....	281	0	0	1,312	460	0	1,023	0	-
Natural Gasoline .....	252	0	0	2,362	974	0	6,006	0	-
Motor Gasoline Blending Components .....	5,211	0	780	1,604	1,826	40,243	2,962	0	3,449
Reformulated - RBOB .....	0	0	0	0	-	7,682	1,252	-	1,913
Conventional .....	5,211	0	780	1,604	1,826	32,561	1,710	0	1,536
CBOB .....	5,211	0	780	1,604	1,826	31,778	1,610	0	1,536
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	-	783	100	-	-
Biofuels (including Fuel Ethanol) .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Biodiesel .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel .....	-	-	-	-	-	-	-	-	-
Other Biofuels <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	64	0	837	0	108	882	463	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	64	0	837	0	108	882	463	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	64	0	837	0	108	882	463	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	321	0	61	30	748	9,639	998	0	303
Kerosene .....	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil .....	2,532	0	1,368	825	750	19,640	1,079	0	1,111
15 ppm sulfur and under .....	2,532	0	1,368	825	750	19,056	913	0	1,111
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	0	-	65	166	-	-
Greater than 500 ppm sulfur .....	-	-	-	-	-	-	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>15,572</b>	<b>25</b>	<b>9,542</b>	<b>85,336</b>	<b>17,225</b>	<b>71,569</b>	<b>31,526</b>	<b>0</b>	<b>4,863</b>

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>25,233</b>	<b>260</b>	<b>—</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>19,556</b>	<b>4,631</b>	<b>1,372</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	18,973	4,631	—	0	0
Ethane .....	0	6,450	2,002	—	0	0
Propane .....	0	6,581	1,245	—	0	0
Normal Butane .....	0	2,679	373	—	0	0
Isobutane .....	0	1,074	422	—	0	0
Natural Gasoline .....	0	2,189	589	—	0	0
Motor Gasoline Blending Components .....	0	187	0	994	0	0
Reformulated - RBOB .....	0	0	0	0	0	—
Conventional .....	0	187	0	994	0	0
CBOB .....	0	187	0	994	0	0
GTAB .....	—	—	—	—	—	—
Other .....	0	0	0	—	0	—
Biofuels (including Fuel Ethanol) .....	—	—	—	—	—	—
Fuel Ethanol .....	—	—	—	—	—	—
Biodiesel .....	—	—	—	—	—	—
Renewable Diesel Fuel .....	—	—	—	—	—	—
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	176	0	108	0	0
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	176	0	108	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	176	0	108	0	0
Finished Aviation Gasoline .....	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	0	12	0	68	0	0
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	208	0	202	0	0
15 ppm sulfur and under .....	0	208	0	202	0	0
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	—	0	—
Greater than 500 ppm sulfur .....	—	—	—	—	—	—
Residual Fuel Oil .....	—	—	—	—	—	—
Miscellaneous Products .....	—	—	—	—	—	—
<b>Total</b> .....	<b>0</b>	<b>44,789</b>	<b>4,891</b>	<b>1,372</b>	<b>0</b>	<b>0</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 2022**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>208</b>	<b>589</b>	<b>—</b>	<b>345</b>	<b>40</b>	<b>—</b>
<b>Petroleum Products</b> .....	<b>49</b>	<b>0</b>	<b>0</b>	<b>1,165</b>	<b>2,412</b>	<b>0</b>
Natural Gas Liquids .....	—	0	—	0	0	—
Ethane .....	—	—	—	—	—	—
Propane .....	—	0	—	0	0	—
Normal Butane .....	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—
Unfinished Oils .....	37	0	—	0	748	—
Motor Gasoline Blending Components .....	0	0	—	528	93	—
Reformulated - RBOB .....	—	—	—	—	—	—
Conventional .....	0	0	—	528	93	—
CBOB .....	0	0	—	528	68	—
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	—	25	—
Biofuels (including Fuel Ethanol) .....	0	0	0	280	603	0
Fuel Ethanol .....	0	0	—	280	561	—
Biodiesel .....	0	0	—	—	42	—
Renewable Diesel Fuel .....	—	0	0	—	0	0
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	—	39	0	—
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	0	—	39	0	—
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	0	—	39	0	—
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	0	—	25	0	—
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	12	0	—	276	24	—
15 ppm sulfur and under .....	12	0	—	276	24	—
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	—	0	—
Greater than 500 ppm sulfur .....	—	0	—	0	0	—
Residual Fuel Oil .....	0	0	—	—	664	—
Less than 0.31 percent sulfur .....	—	—	—	—	—	—
0.31 to 1.00 percent sulfur .....	0	0	—	—	402	—
Greater than 1.00 percent sulfur .....	0	0	—	—	262	—
Petrochemical Feedstocks .....	0	0	—	—	97	—
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	97	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—
Special Naphthas .....	0	0	—	—	0	—
Lubricants .....	0	0	0	17	22	0
Waxes .....	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	0	161	—
Miscellaneous Products .....	0	0	—	—	0	—
<b>Total</b> .....	<b>257</b>	<b>589</b>	<b>0</b>	<b>1,510</b>	<b>2,452</b>	<b>0</b>

See footnotes at end of table.



**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
<b>Crude Oil</b> .....	<b>2,430</b>	—	<b>2,430</b>	—	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>23,421</b>	<b>143</b>	<b>519</b>	<b>22,759</b>	<b>2,167</b>	<b>471</b>	<b>0</b>	<b>0</b>	<b>96</b>
Natural Gas Liquids .....	30	—	—	30	—	—	0	—	0
Ethane .....	—	—	—	—	—	—	—	—	—
Propane .....	30	—	—	30	—	—	0	—	0
Normal Butane .....	—	—	—	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	31	—	31	—	792	—	0	0	0
Motor Gasoline Blending Components .....	13,493	—	—	13,493	402	—	0	0	0
Reformulated - RBOB .....	—	—	—	—	—	—	—	—	—
Conventional .....	13,493	—	—	13,493	402	—	0	0	0
CBOB .....	13,493	—	—	13,493	0	—	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	402	—	—	0	0
Biofuels (including Fuel Ethanol) .....	137	—	—	137	0	471	0	0	0
Fuel Ethanol .....	137	—	—	137	0	—	0	0	0
Biodiesel .....	—	—	—	—	0	—	—	0	0
Renewable Diesel Fuel .....	—	—	—	—	—	471	—	—	0
Other Biofuels <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	432	—	—	432	253	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	432	—	—	432	253	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	432	—	—	432	253	—	0	0	0
Finished Aviation Gasoline .....	116	15	30	71	25	—	0	0	0
Kerosene-Type Jet Fuel .....	3,375	128	—	3,247	250	—	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	4,921	—	—	4,921	118	—	0	0	0
15 ppm sulfur and under .....	4,757	—	—	4,757	75	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	43	—	—	0	0
Greater than 500 ppm sulfur .....	164	—	—	164	—	—	0	—	0
Residual Fuel Oil .....	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur .....	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks .....	—	—	—	—	0	—	—	0	0
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	21	—	—	0	0
Lubricants .....	689	—	458	231	222	0	0	0	96
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	197	—	—	197	79	—	0	0	0
Miscellaneous Products .....	—	—	—	—	5	—	—	0	0
<b>Total</b> .....	<b>25,851</b>	<b>143</b>	<b>2,949</b>	<b>22,759</b>	<b>2,167</b>	<b>471</b>	<b>0</b>	<b>0</b>	<b>96</b>

— = No Data Reported.

<sup>1</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, April 2022**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	0	0	559	0	0	3,039
Propane .....	59	9	0	0	911	445	0	288
Propylene .....	0	0	–	–	467	630	–	–
Normal Butane .....	266	87	0	0	342	226	0	226
Isobutane .....	191	24	0	0	94	46	0	17
Fuel Ethanol .....	0	0	0	0	7,558	4,992	414	4,424
Biodiesel .....	0	0	0	0	242	208	23	321
Marketable Petroleum Coke .....	0	3	0	0	198	432	6	45
Asphalt and Road Oil .....	0	0	0	0	457	342	23	281

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	0	42	0	0	518	0
Propane .....	112	21	0	0	0	0	0	67
Propylene .....	0	0	–	–	0	0	0	–
Normal Butane .....	21	4	0	7	0	0	0	35
Isobutane .....	0	169	0	17	0	0	0	16
Fuel Ethanol .....	0	0	0	356	0	0	0	39
Biodiesel .....	0	0	0	64	0	0	0	0
Marketable Petroleum Coke .....	3	13	0	10	0	216	54	6
Asphalt and Road Oil .....	127	40	0	166	0	86	96	151

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	0	0	0	0
Propane .....	0	0	0	0
Propylene .....	0	0	0	–
Normal Butane .....	0	0	0	0
Isobutane .....	0	0	0	0
Fuel Ethanol .....	0	0	0	0
Biodiesel .....	0	0	0	0
Marketable Petroleum Coke .....	0	13	23	10
Asphalt and Road Oil .....	0	0	0	10

– = No Data Reported.

Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, April 2022**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	209	208	0	417
3 .....	25	589	0	614
4 .....	0	—	0	0
5 .....	—	—	0	0
<b>From 2 to</b>				
1 .....	163	345	559	1,067
3 .....	48,151	40	0	48,191
4 .....	5,321	—	0	5,321
5 .....	—	—	3,039	3,039
<b>From 3 to</b>				
1 .....	120	2,430	0	2,550
2 .....	16,040	0	0	16,040
4 .....	0	—	0	0
5 .....	—	—	42	42
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	25,233	0	0	25,233
3 .....	260	0	518	778
5 .....	—	—	0	0
<b>From 5 to</b>				
1 .....	0	0	0	0
2 .....	0	0	0	0
3 .....	0	0	0	0
4 .....	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, April 2022**  
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b>	<b>3,617</b>	<b>1,031</b>	<b>2,586</b>	<b>41,690</b>	<b>57,618</b>	<b>-15,928</b>	<b>49,583</b>	<b>18,632</b>	<b>30,951</b>
<b>Petroleum Products</b>	<b>115,946</b>	<b>16,051</b>	<b>99,895</b>	<b>53,699</b>	<b>85,703</b>	<b>-32,004</b>	<b>51,941</b>	<b>118,987</b>	<b>-67,046</b>
Natural Gas Liquids	8,888	7,871	1,017	36,902	52,126	-15,224	40,194	11,410	28,784
Ethane	0	5,679	-5,679	13,313	20,099	-6,786	19,361	1,184	18,177
Propane	6,794	973	5,821	8,986	19,467	-10,481	11,792	2,628	9,164
Normal Butane	2,000	471	1,529	3,418	7,295	-3,877	4,286	383	3,903
Isobutane	94	496	-402	2,738	1,929	809	1,804	1,209	595
Natural Gasoline	0	252	-252	8,447	3,336	5,111	2,951	6,006	-3,055
Refinery Olefins	467	0	467	0	1,097	-1,097	630	0	630
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	467	0	467	0	1,097	-1,097	630	0	630
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	31	37	-6	829	748	81	748	823	-75
Motor Gasoline Blending Components	55,044	5,211	49,833	8,762	4,831	3,931	1,697	60,549	-58,852
Reformulated - RBOB	7,682	0	7,682	1,252	0	1,252	0	10,847	-10,847
Conventional	47,362	5,211	42,151	7,510	4,831	2,679	1,697	49,702	-48,005
CBOB	46,579	5,211	41,368	7,008	4,806	2,202	1,672	48,417	-46,745
GTAB	0	0	-	-	-	-	-	-	-
Other	783	0	783	502	25	477	25	1,285	-1,260
Biofuels (including Fuel Ethanol)	8,217	0	8,217	0	19,064	-19,064	5,803	1,028	4,775
Fuel Ethanol	7,975	0	7,975	0	18,229	-18,229	5,553	493	5,059
Biodiesel	242	0	242	0	835	-835	250	64	186
Renewable Diesel Fuel	-	-	-	0	0	-	0	471	-471
Other Biofuels <sup>2</sup>	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,190	64	2,126	956	984	-28	0	2,030	-2,030
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	0	0	-	0	0	-
Conventional	2,190	64	2,126	956	984	-28	0	2,030	-2,030
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,190	64	2,126	956	984	-28	0	2,030	-2,030
Finished Aviation Gasoline	116	0	116	25	0	25	0	141	-141
Kerosene-Type Jet Fuel	13,100	321	12,779	1,581	864	717	30	14,565	-14,535
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	26,205	2,544	23,661	3,949	3,243	706	849	26,869	-26,020
15 ppm sulfur and under	25,457	2,544	22,913	3,740	3,243	497	849	25,912	-25,063
Greater than 15 ppm to 500 ppm sulfur	65	0	65	209	0	209	0	274	-274
Greater than 500 ppm sulfur	683	0	683	0	0	-	0	683	-683
Residual Fuel Oil	0	0	-	0	664	-664	664	0	664
Petrochemical Feedstocks	0	0	-	0	97	-97	97	0	97
Naphtha for Petrochemical Feedstock Use	0	0	-	0	97	-97	97	0	97
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-	0	0	-
Special Naphthas	0	0	-	21	0	21	0	21	-21
Lubricants	706	0	706	222	39	183	118	911	-793
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	201	3	198	242	681	-439	512	26	486
Asphalt and Road Oil	781	0	781	205	1,265	-1,060	600	609	-9
Miscellaneous Products	0	0	-	5	0	5	0	5	-5
<b>Total</b>	<b>119,564</b>	<b>17,082</b>	<b>102,482</b>	<b>95,389</b>	<b>143,321</b>	<b>-47,932</b>	<b>101,524</b>	<b>137,619</b>	<b>-36,094</b>

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, April 2022**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>5,321</b>	<b>26,011</b>	<b>-20,690</b>	<b>3,081</b>	<b>0</b>	<b>3,081</b>
<b>Petroleum Products</b> .....	<b>12,390</b>	<b>26,326</b>	<b>-13,936</b>	<b>13,242</b>	<b>152</b>	<b>13,090</b>
Natural Gas Liquids .....	8,472	23,722	-15,250	673	0	673
Ethane .....	2,740	8,452	-5,712	0	0	—
Propane .....	3,034	7,893	-4,859	355	0	355
Normal Butane .....	1,264	3,087	-1,823	268	0	268
Isobutane .....	460	1,512	-1,052	50	0	50
Natural Gasoline .....	974	2,778	-1,804	0	0	—
Refinery Olefins .....	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—
Propylene .....	0	0	—	0	0	—
Normal Butylene .....	0	0	—	0	0	—
Isobutylene .....	0	0	—	0	0	—
Unfinished Oils .....	0	0	—	0	0	—
Motor Gasoline Blending Components .....	1,826	1,181	645	4,443	0	4,443
Reformulated - RBOB .....	—	—	—	1,913	0	1,913
Conventional .....	1,826	1,181	645	2,530	0	2,530
CBOB .....	1,826	1,181	645	2,530	0	2,530
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	0	0	—
Biofuels (including Fuel Ethanol) .....	436	39	398	5,674	0	5,674
Fuel Ethanol .....	414	39	375	4,819	0	4,819
Biodiesel .....	23	0	23	384	0	384
Renewable Diesel Fuel .....	0	0	—	471	0	471
Other Biofuels <sup>2</sup> .....	0	0	—	0	0	—
Finished Motor Gasoline .....	108	284	-176	108	0	108
Reformulated .....	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	0	0	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	108	284	-176	108	0	108
Conventional Blended with Fuel Ethanol .....	0	0	—	0	0	—
Ed55 and Lower .....	0	0	—	0	0	—
Greater than Ed55 .....	0	0	—	0	0	—
Conventional Other .....	108	284	-176	108	0	108
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	748	80	668	371	0	371
Kerosene .....	0	0	—	0	0	—
Distillate Fuel Oil .....	750	410	340	1,313	0	1,313
15 ppm sulfur and under .....	750	410	340	1,313	0	1,313
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	0	0	—	0	0	—
Residual Fuel Oil .....	0	0	—	0	0	—
Petrochemical Feedstocks .....	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—
Lubricants .....	0	0	—	0	96	-96
Waxes .....	—	—	—	0	0	—
Marketable Petroleum Coke .....	16	277	-260	62	46	16
Asphalt and Road Oil .....	33	333	-300	598	10	588
Miscellaneous Products .....	0	0	—	0	0	—
<b>Total</b> .....	<b>17,711</b>	<b>52,337</b>	<b>-34,627</b>	<b>16,323</b>	<b>152</b>	<b>16,171</b>

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

## District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

### PAD District I

**East Coast:** The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

**Appalachian No. 1:** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

### Sub-PAD District I

**New England:** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Central Atlantic:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

**Lower Atlantic:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

### PAD District II

**Indiana-Illinois-Kentucky:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

**Minnesota-Wisconsin-North and South Dakota:** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

**Oklahoma-Kansas-Missouri:** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

### PAD District III

**Texas Inland:** The State of Texas except the Texas Gulf Coast District.

**Texas Gulf Coast:** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

**Louisiana Gulf Coast:** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

**North Louisiana-Arkansas:** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

**New Mexico:** The State of New Mexico.

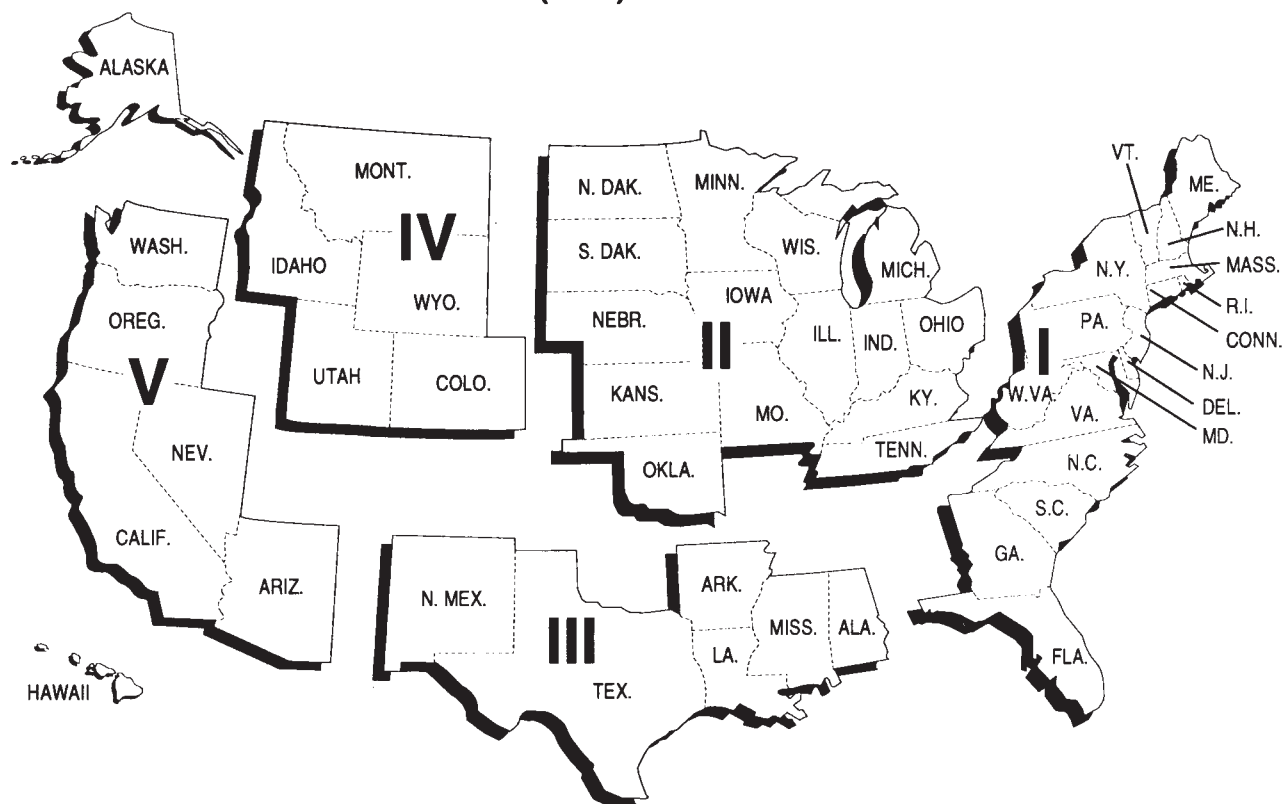
### PAD District IV

**Rocky Mountain:** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

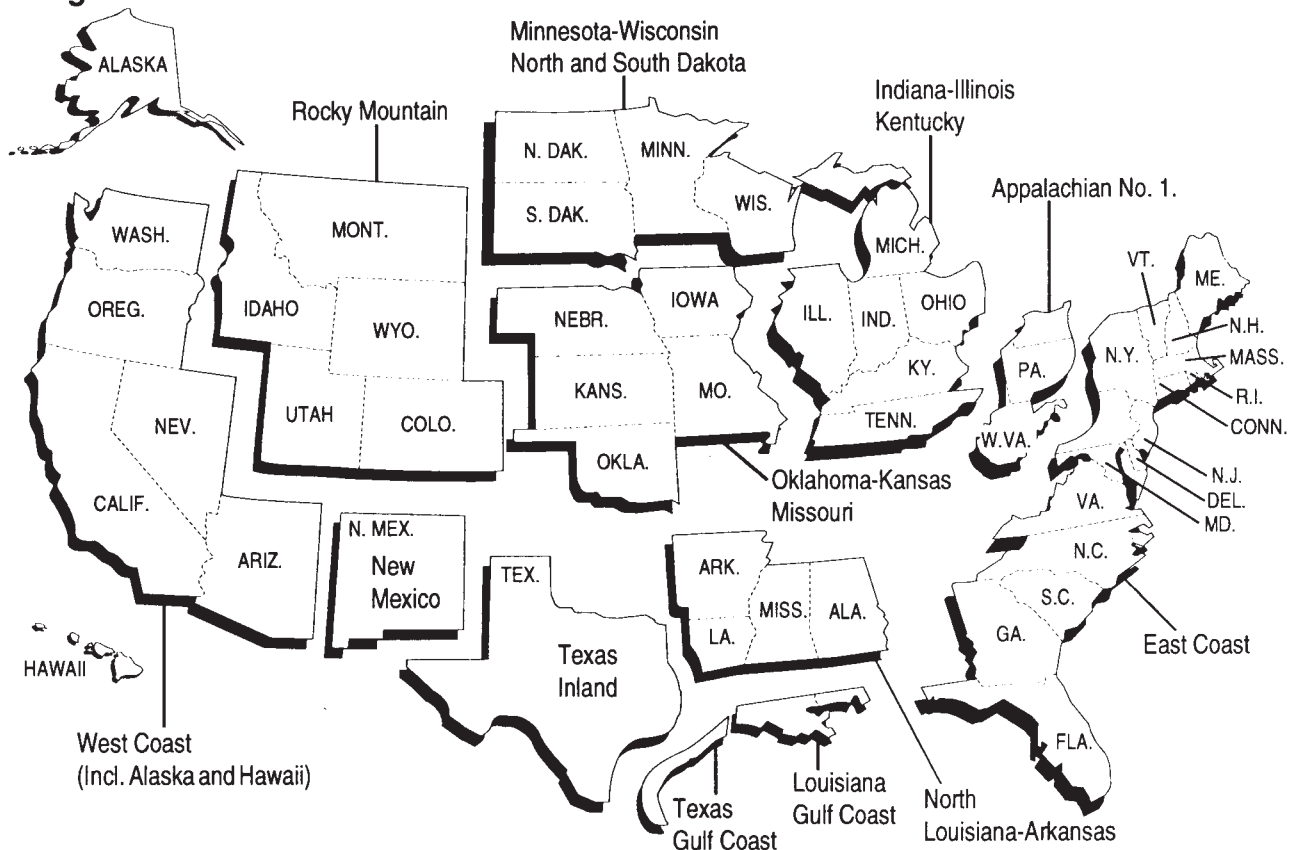
### PAD District V

**West Coast:** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

## Petroleum Administration for Defense (PAD) Districts



## Refining Districts



## Appendix B. Explanatory Notes

### Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels.

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.



## Overview

### A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

### B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, biofuels and oxygenate production plants, imports, exports, and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, biofuels plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock. EIA includes tertiary stocks of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline) held by storage operators with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker, or barge in primary stocks.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

### C. Components of Supply and Disposition

The detailed statistics tables in the *PSM* provide complete supply and disposition information for the current month and year to date. The tables are organized to locate national and PADD supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. EIA provides the following discussion to assist with interpretation of supply and disposition tables 1-25. The [EIA glossary](#) contains definitions of products and other terms used on tables.

## (1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas liquids production (NGL) from natural gas processing plants.

Sources of crude oil production data include state government agencies, Department of the Interior, Bureau of Safety and Environmental Enforcement (and predecessor agencies), first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report", and Form EIA-914 "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to "Domestic Crude Oil Production" in Section 2C(1) for further details.

Field production of NGL is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Biofuels Plant Net Production – biofuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and biofuels (diesel, heating oil, jet, naphtha, gasoline, and other biofuels and biointermediates) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-biofuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, hydrogen, and "other" hydrocarbons. EIA calculates adjustment quantities to balance supply and disposition or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, biofuels plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021. Beginning with data for January 2021, EIA uses product supplied as the balance quantity for biofuels excluding fuel ethanol.

## (2.) Disposition

a. **Stock Change**— Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month's publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. **Refinery and Blender Net Inputs**— Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, biofuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. **Exports** - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. **Products Supplied** - Products supplied is a calculated measure of demand equal to field production, plus biofuels plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PADD basis, the figure for net receipts was inaccurate because the coverage of inter-PADD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported (e.g. unfinished oils received at refineries for processing from petrochemical plants).

EIA reported crude oil burned as fuel on leases and by pipelines as either distillate or residual fuel oil product supplied prior to January 1983. EIA reported crude oil product supplied equal to crude oil used directly as reported on Form EIA-813 "Monthly Crude Oil Report" from January 1983 through December 2009. EIA discontinued reporting crude oil used directly on Form EIA-813 after December 2009.

## (3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals. Ending stocks also include stocks in transit by rail, truck, and water reported at destination facilities. EIA primary stocks include NGL (ethane, propane, normal butane, isobutane, and natural gasoline) held by end-user storage operators (i.e. tertiary storage) with at least 50,000 barrels of storage capacity and capability to ship barrels by pipeline, tanker.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks (except stocks of NGL held by end users with storage capacity of at least 50,000 barrels and capability to ship NGL by pipeline, tanker, or barge) held by consumers. EIA excludes product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported in the PSM and PSA, but EIA provides stock quantities held in selected government reserves in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on [eia.gov](http://eia.gov) were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbbl\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbl_m_cur.htm)

[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)

[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mbbl\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbl_m.htm)

## 2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

### A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes eight monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."
13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" (formerly "Monthly Oxygenate Report")
16. EIA-820, "Annual Refinery Report."

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report

on weekly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, “Annual Refinery Report.” The EIA-820 data are published in the annual “Refinery Capacity Report.”

## **B. Monthly Supply Survey Description and Methodology**

### **(1.) Description of Surveys Forms**

Copies of the survey forms and instructions can be found at:

<https://www.eia.gov/survey/>

Form EIA-22M “Monthly Biodiesel Production Survey” collected data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales until data for September 2020. EIA discontinued Form EIA-22M effective with data for October 2020, and incorporated data previously collected on Form EIA-22M into Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.

Form EIA-810, “Monthly Refinery Report,” collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

Form EIA-812, “Monthly Product Pipeline Report,” collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

Form EIA-813, “Monthly Crude Oil Report,” collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

Form EIA-815, “Monthly Bulk Terminal Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.



Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane and Isooctene” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Beginning in October 2020 it also collects facility-level data on biodiesel and biofuels production and blending and end-of-month stocks. Plant operators report end-of-month stocks on site on a custody basis regardless of ownership as well as stocks in transit by rail, truck, and water to their plants.

## (2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” included operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes. EIA discontinued using Form EIA-22M in October 2020 and replaced it with data collected on Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene”.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Bulk Terminal Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and

has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, "Monthly Natural Gas Liquids Report" include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, "Monthly Tanker and Barge Movement Report" include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene" include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other biofuels and biointermediates, isooctane, isooctene and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations) located in the 50 States and the District of Columbia.

### (3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

### (4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

### (5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 98 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in

the Petroleum Supply Annual (PSA).

#### (6.) Macro Editing

EIA compares data reported by individual companies and plants on monthly and weekly surveys. EIA uses these comparisons to identify cases where reporting companies responded differently to the same or similar questions on weekly and monthly surveys and then works with reporting companies to identify and address inconsistent or erroneous reporting on surveys. EIA also compares aggregate and other data with external sources in order to identify and correct potential errors in reporting or survey methodology. EIA makes additional comparisons of survey data with model results. EIA may use imputation to correct known and/or suspected errors in data reported in the Petroleum Supply Monthly and Petroleum Supply Annual.

#### (7.) Dissemination

In most cases, EIA releases *PSM* data within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available in HTML format on [eia.gov](http://www.eia.gov). Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at:

<http://www.eia.gov/petroleum/data.cfm>

### C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the *PSM* are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

#### (1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the *PSM*, are based on:

(a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;

(b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.

(c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.



State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

## (2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

## (3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, renewable diesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, renewable diesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year.

from the Petroleum Supply Annual, Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

#### (4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

#### (5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Liquids (NGL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGL production is added to refinery receipts and inputs of NGPL. The adjusted NGL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS- NGL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

#### (6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

**Note on MTBE Adjustment:** The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), "other" motor gasoline blending components, fuel ethanol, and MTBE. The quantity of

GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PADD. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PADD. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PADD. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PADD. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PADD, then the total adjustment quantity of finished conventional motor gasoline in that PADD would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PADD.

#### (7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and biofuels plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for

reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

#### (8.) Biofuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for biofuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). Product supplied for biofuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” biofuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “biofuels (excluding fuel ethanol)” includes biodiesel, renewable diesel fuel, and other biofuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for biofuels (excluding fuel ethanol) at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Biofuels (excluding Fuel Ethanol) was unavailable and was excluded from Biofuels Plant Net Production. Therefore the calculation of adjustments to Biofuels (excluding Fuel Ethanol) caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2012, and PSA data for 2011 through December, 2020 production of biodiesel reported on Form EIA-22M was included under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. As a result, the adjustment for “biofuels (excluding fuel ethanol)” excludes production of biodiesel beginning with data for January 2012. Beginning with data for January 2010 EIA included rail movements of biodiesel in inter-PADD movements, and so rail movements were excluded from adjustment quantities.

- For data prior to January 2021, biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of biofuels plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, biofuels plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments. EIA discontinued calculating biodiesel and distillate fuel oil adjustment quantities beginning with data for January 2021. EIA now includes barrels of biodiesel formerly reported in adjustment quantities as product supplied of biofuels (excluding fuel ethanol).

Beginning with PSM data for January 2021, EIA included production of renewable diesel, heating oil, jet

fuel, naphtha, gasoline, and other biofuels and biointermediates reported on Form EIA-819 under the heading of “biofuels plant net production” in petroleum supply and disposition balances for “biofuels (excluding fuel ethanol)”. EIA now reports barrels formerly included in adjustment quantities as product supplied.

#### (9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

For PSM data from January 2012 and PSA data from January 2011 through December 2020, EIA calculated distillate fuel oil adjustments equal to the opposite of biodiesel adjustment quantities described above in section 8. EIA added biodiesel adjustment quantities to supply of distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. EIA assumed that distillate fuel oil adjustment quantities reflected biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Beginning with data for January 2021, EIA discontinued calculating and reporting distillate fuel oil adjustment quantities.

#### (10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

#### (11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

#### (12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

#### (13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of biofuels plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.



### 3. Quality

#### A. General Discussion

##### (1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article "Accuracy of Petroleum Supply Data." Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

##### (2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

##### (3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA's most accurate measure of petroleum supply activity.

##### (4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

#### B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

### 4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general

disclosure information statement. The information reported on Form EIA-814 will be considered “public information” and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810 through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. § 552, the Department of Energy (DOE) regulations, 10 C.F.R. § 1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. § 1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

## Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

### Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	201
Gulf Oil LP	Chelsea, MA	200

Source: U. S. Energy Information Administration

### Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
Kinder Morgan Liq Terminals LLC	Carteret, NJ	0
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	700
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

## State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	82
Fuel Ethanol	NY	9
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority



# Definitions of Petroleum Products and Other Terms

(Revised June 2021)

**Alcohol.** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group;  $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$  (e.g., methanol, ethanol, and tertiary butyl alcohol).

**Alkylate.** The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

**Alkylation.** A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

**All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.**

**API Gravity.** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**Aromatics.** Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

**Asphalt.** A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

**ASTM.** The acronym for the American Society for Testing and Materials.

**Atmospheric Crude Oil Distillation.** The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

**Aviation Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

**Aviation Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

**Barrel.** A unit of volume equal to 42 U.S. gallons.

**Barrels Per Calendar Day.** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels Per Stream Day.** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**Benzene ( $\text{C}_6\text{H}_6$ ).** An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

**Biomass-Based Diesel Fuel.** Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

**Blending Components.** See *Motor or Aviation Gasoline Blending Components*.

**Blending Plant.** A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

**Bonded Petroleum Imports.** Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

**BTX.** The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

**Bulk Station.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

**Bulk Terminal.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

**Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

**Normal Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

**Refinery-Grade Butane ( $C_4H_{10}$ ).** A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

**Butylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes.

**Captive Refinery Oxygenate Plants.** Oxygenate production facilities located within or adjacent to a refinery complex.

**Catalytic Cracking.** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

**Fresh Feeds.** Crude oil or petroleum distillates which are being fed to processing units for the first time.

**Recycled Feeds.** Feeds that are continuously fed back for additional processing.

**Catalytic Hydrocracking.** A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

**Catalytic Hydrotreating.** A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

**Catalytic Reforming.** A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

**Low Pressure.** A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**High Pressure.** A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**Charge Capacity.** The input (feed) capacity of the refinery processing facilities.

**Coal.** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**Commercial Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Conventional Blendstock for Oxygenate Blending (CBOB).** See *Motor Gasoline Blending Components*.

**Conventional Gasoline.** See *Motor Gasoline (Finished)*.

**Crude Oil.** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

**Domestic.** Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

**Foreign.** Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

**Crude Oil, Refinery Receipts.** Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

**Crude Oil Losses.** Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

**Crude Oil Production.** The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

**Crude Oil Qualities.** Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

**Delayed Coking.** A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

**Desulfurization.** The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

**Disposition.** The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

**Distillate Fuel Oil.** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 1 Diesel Fuel.** A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

**No. 1 Fuel Oil.** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

**No. 2 Distillate.** A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 2 Diesel Fuel.** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

**Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

**High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

**No. 2 Fuel Oil (Heating Oil).** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**No. 4 Fuel.** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

**No. 4 Diesel Fuel.** See **No. 4 Fuel**.

**No. 4 Fuel Oil.** See **No. 4 Fuel**.

**Electricity (Purchased).** Electricity purchased for refinery operations that is not produced within the refinery complex.

**Ending Stocks.** Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

**ETBE (Ethyl tertiary butyl ether) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

**Ether.** A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

**Ethylene (C<sub>2</sub>H<sub>4</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

**Exports.** Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Field Production.** Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

**Flexicoking.** A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

**Fluid Coking.** A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

**Fresh Feed Input.** Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

**Fuel Ethanol (C<sub>2</sub>H<sub>5</sub>OH).** An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

**Fuels Solvent Deasphalting.** A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

**Gas Oil.** A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

**Gasohol.** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

**Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

**Gasoline Treated as Blendstock (GTAB).** See **Motor Gasoline Blending Components**.

**Gross Input to Atmospheric Crude Oil Distillation Units.** Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Heavy Gas Oil.** Petroleum distillates with an approximate boiling



range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

**High-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 500 ppm.

**Hydrogen.** The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

**Idle Capacity.** The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

**Imported Crude Oil Burned As Fuel.** The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Imports.** Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Isobutane ( $C_4H_{10}$ ).** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

**Isobutylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane ( $C_6H_{14}$ ).** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

**Isomerization.** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane ( $C_4$ ), an alkylation process feedstock, and normal pentane and hexane into isopentane ( $C_5$ ) and isohexane ( $C_6$ ), high-octane gasoline components.

**Isopentane.** See *Natural Gasoline and Isopentane*.

**Kerosene.** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

**Kerosene-Type Jet Fuel.** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Commercial.** Kerosene-type jet fuel intended for use in commercial aircraft.

**Military.** Kerosene-type jet fuel intended for use in military aircraft.

**Lease Condensate.** A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

**Light Gas Oils.** Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

**Liquefied Petroleum Gases (LPG).** A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

**Liquefied Refinery Gases (LRG).** Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

**Low-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

**Lubricants.** Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

**Merchant Oxygenate Plants.** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

**Methanol ( $CH_3OH$ ).** A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

**Middle Distillates.** A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

**Military Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Miscellaneous Products.** Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

**Motor Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

**Conventional Gasoline.** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

**Ed 55 and Lower.** Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

**Greater than Ed55.** Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

**OPRG.** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

**Oxygenated Gasoline (Including Gasohol).** Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

**Reformulated Gasoline.** Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

**Reformulated (Blended with Alcohol).** Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

**Reformulated (Blended with Ether).** Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

**Reformulated (Non-Oxygenated).** Reformulated gasoline without added ether or alcohol components.

**Motor Gasoline Blending.** Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

**Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

**Conventional Blendstock for Oxygenate Blending (CBOB).** Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

**Gasoline Treated as Blendstock (GTAB).** Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

**RBOB for Blending with Alcohol.** Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**RBOB for Blending with Ether.** Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**All Other Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

**MTBE (Methyl tertiary butyl ether)  $(CH_3)_3COCH_3$ .** An ether intended for gasoline blending as described in Oxygenate definition.

**Naphtha.** A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

**Naphtha Less Than 401° F.** See *Petrochemical Feedstocks*.

**Naphtha-Type Jet Fuel.** A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

**Natural Gas.** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural Gas Field Facility.** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

**Natural Gas Liquids.** Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

**Natural Gas Plant Liquids.** Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

**Natural Gas Processing Plant.** Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

**Natural Gasoline and Isopentane.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon,  $(C_5H_{12})$ , obtained by fractionation of natural gasoline or isomerization of normal pentane.

**Net Receipts.** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

**Normal Butane.** See *Butane*.

**OPEC.** The Organization of the Petroleum Exporting Countries (OPEC) was founded in Baghdad, Iraq, with the signing of an agreement in September 1960 by five countries namely Islamic Republic of Iran, Iraq, Kuwait, Saudi Arabia and Venezuela. They were to become the Founder Members of the Organization. These countries were later joined by Qatar (1961), Indonesia (1962), Libya (1962), the United Arab Emirates (1967), Algeria (1969), Nigeria (1971), Ecuador (1973), Gabon (1975), Angola (2007), Equatorial Guinea (2017) and Congo (2018). Ecuador suspended its membership in December 1992, rejoined OPEC in October 2007, but decided to withdraw its membership of OPEC effective 1 January 2020.



Indonesia suspended its membership in January 2009, reactivated it again in January 2016, but decided to suspend its membership once more at the 171st Meeting of the OPEC Conference on 30 November 2016. Gabon terminated its membership in January 1995. However, it rejoined the Organization in July 2016. Qatar terminated its membership on 1 January 2019.

**Operable Capacity.** The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

**Operable Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

**Operating Capacity.** The component of operable capacity that is in operation at the beginning of the period.

**Operating Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

**Other Hydrocarbons.** Materials received by a refinery and consumed as raw materials. Includes coal tar derivatives and gilsonite. Included hydrogen in data prior to January 2009 and excluded hydrogen thereafter. Excludes natural gas used for fuel or hydrogen feedstock.

**Other Oils Equal To or Greater Than 401° F.** See *Petrochemical Feedstocks*.

**Other Oxygenates.** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

**Oxygenated Gasoline.** See *Motor Gasoline (Finished)*.

**Oxygenates.** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**Fuel Ethanol.** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

**Methanol.** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed

3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

**MTBE (Methyl tertiary butyl ether).** Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

**Pentanes Plus.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Persian Gulf.** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

**Petrochemical Feedstocks.** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

**Naphtha Less Than 401° F.** A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

**Other Oils Equal To or Greater Than 401° F.** Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

**Petroleum Administration for Defense (PAD) Districts.** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

**Petroleum Coke.** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Catalyst Coke.** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

**Marketable Coke.** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet



fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane ( $C_3H_8$ ).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene ( $C_3H_6$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene ( $C_3H_6$ ) (nonfuel use).** Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Refinery-Grade Butane.** See *Butane*.

**Refinery Input, Crude Oil.** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

**Refinery Input, Total.** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

**Refinery Production.** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

**Refinery Yield.** Represents the percent of finished product produced from input of crude oil, hydrogen, and other hydrocarbons, and net input of unfinished oils. Except for finished motor gasoline, finished aviation gasoline, and distillate fuel oil, EIA calculates refinery yield equal to net production of a finished petroleum product divided by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished motor gasoline, subtract input of natural gas liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components from net production of finished motor gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished aviation gasoline, subtract net input of aviation gasoline blending components from net production of finished aviation gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of distillate fuel oil, subtract input of renewable fuels except fuel ethanol (including input of biodiesel, renewable diesel fuel, and other renewable fuels) from distillate fuel oil net production and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. Prior to data for January 2009, EIA calculated refinery yields (except for finished motor gasoline) equal to finished product net production divided by the sum of input of crude oil and net input of unfinished oils. EIA calculated refinery yield of finished motor gasoline equal to net production of finished motor gasoline minus the sum of input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components divided by the sum of input of crude oil and net input of unfinished oils.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** See *Motor Gasoline Blending Components*.

**Reformulated Gasoline.** See *Motor Gasoline (Finished)*.

**Renewable Fuels (Other).** Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

**Residual Fuel Oil.** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Residuum.** Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

**Road Oil.** Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

**Shell Storage Capacity.** The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

**Steam (Purchased).** Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

**Still Gas (Refinery Gas).** Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

**Stock Change.** The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

**Strategic Petroleum Reserve (SPR).** Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

**Sulfur.** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No.

2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

**Supply.** The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

**TAME (Tertiary amyl methyl ether)  $(CH_3)_2(C_2H_5)COCH_3$ .** An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

**Tank Farm.** An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

**Tanker and Barge.** Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

**TBA (Tertiary butyl alcohol)  $(CH_3)_3COH$ .** An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

**Thermal Cracking.** A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

**Toluene  $(C_6H_5CH_3)$ .** Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

**Ultra-Low Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

**Unaccounted for Crude Oil.** Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

**Unfinished Oils.** All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils,

kerosene and light gas oils, heavy gas oils, and residuum.

**Unfractionated Streams.** Mixtures of unsegregated natural gas liquid components excluding, those in plant condensate. This product is extracted from natural gas.

**United States.** The United States is defined as the 50 States and the District of Columbia.

**Vacuum Distillation.** Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

**Visbreaking.** A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

**Wax.** A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in

which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

**Working Storage Capacity.** The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

**Xylene ( $C_6H_4(CH_3)_2$ ).** Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.